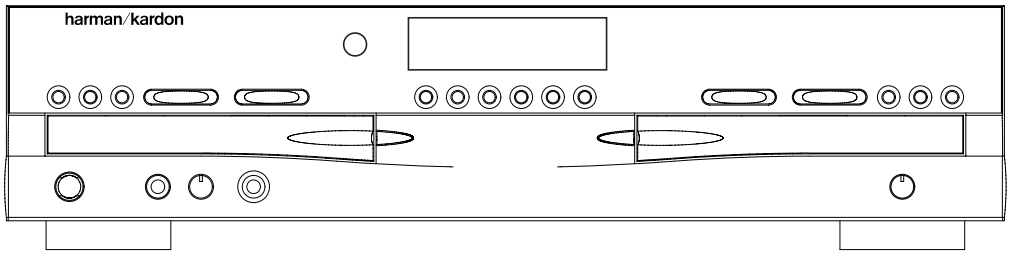
The Harman Kardon Model CDR 20

Dual-Tray CD-R/CD-RW Recorder/Player

Technical Manual



harman/kardon

250 Crossways Park Drive, Woodbury, New York 11797
www.harmankardon.com
© 2000 Harman Kardon, Incorporated
Part #3828R-D004M

CONTENTS

SPECIFICATIONS 2
SERVICING PRECAUTIONS 3
ESD PRECAUTIONS 5
TROUBLESHOOTING GUIDE 6
WIRING DIAGRAM 32
BLOCK DIAGRAM 33
SCHEMATIC DIAGRAMS 36
PCB BOARD 42
EXPLODED VIEW 48
REPLACEMENT PARTS LIST 51

SPECIFICATIONS

Signal Format	
Playback Sampling Frequency	44.1 kHz
D/A Conversion	96kHz, Multi-Bit Delta-Sigma Conversion
Oversampling	128 Times

Playback Specifications

Frequency Response	2Hz – 20,050Hz
Playback S/N	105dB
Playback Dynamic Range	105dB
Playback THD	0.005% / –88dB
Analog Audio Output	2V RMS, ± 2dB
Digital-Coaxial Output	0.5 Vpp/75Ω
Headphone Output	1V RMS/32Ω Load

Record Specifications

Digital Dubbing Mode(X1/X2/X4)	Equal to source
Digital Input Sample Rate	32kHz ~ 96kHz
Signal/Noise Ratio - Analog	91dB
Signal/Noise Ratio - External(Sourse)	source-10dB
Dynamic Range	91dB
THD	0.005%/-85dB
Analog Input Sensitivity	330 mV RMS 47kΩ = 0dB
Digital Inputs (Direct Recording)	44.1kHz, ± 100 ppm/min.

General

Power Requirement	100~240V AC, 50/60Hz
Power Consumption	28 Watts
Dimensions	
Width	17.3"/440mm
Height	4.4"/112mm
Depth	14.2"/363mm
Weight	10.5 lb/4.7 kg

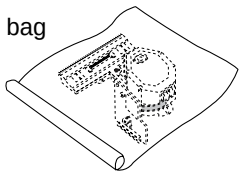
SERVICING PRECAUTIONS

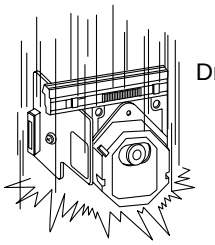
NOTES REGARDING HANDLING OF THE PICK-UP

1. Notes for transport and storage

1) The pick-up should always be left in its conductive bag until immediately prior to use.
2) The pick-up should never be subjected to external pressure or impact.

Storage in conductive bag

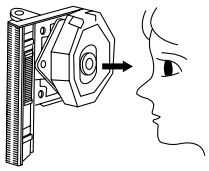




Drop impact

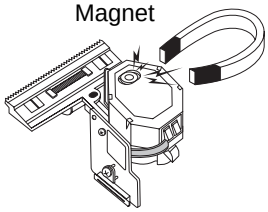
2. Repair notes

1) The pick-up incorporates a strong magnet, and so should never be brought close to magnetic materials.
2) The pick-up should always be handled correctly and carefully, taking care to avoid external pressure and impact. If it is subjected to strong pressure or impact, the result may be an operational malfunction and/or damage to the printed-circuit board.
3) Each and every pick-up is already individually adjusted to a high degree of precision, and for that reason the adjustment point and installation
screws should absolutely never be touched.
4) Laser beams may damage the eyes!
Absolutely never permit laser beams to enter the eyes!
Also NEVER switch ON the power to the laser output part (lens, etc.) of the pick-up if it is damaged.

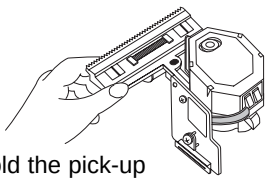


NEVER look directly at the laser beam, and don't let contact fingers or other exposed skin.

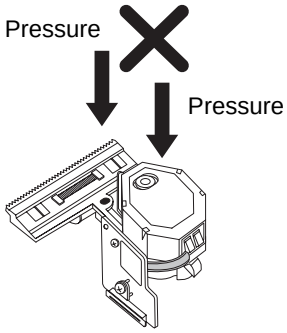
5) Cleaning the lens surface
If there is dust on the lens surface, the dust should be cleaned away by using an air bush (such as used for camera lens). The lens is held by a delicate spring. When cleaning the lens surface, therefore, a cotton swab should be used, taking care not to distort this.



Magnet

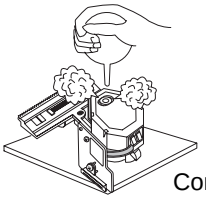


How to hold the pick-up

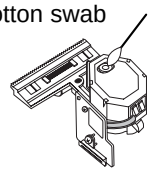


Pressure

Pressure



Conductive Sheet



Cotton swab

6) Never attempt to disassemble the pick-up.
Spring by excess pressure. If the lens is extremely dirty, apply isopropyl alcohol to the cotton swab. (Do not use any other liquid cleaners, because they will damage the lens.) Take care not to use too much of this alcohol on the swab, and do not allow the alcohol to get inside the pick-up.

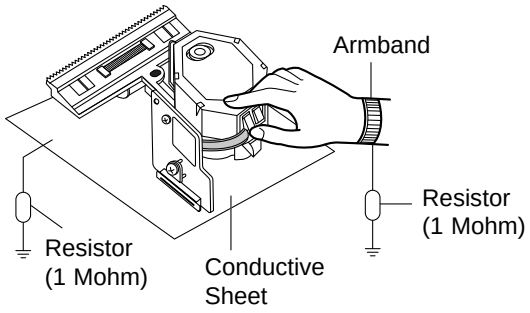
NOTES REGARDING COMPACT DISC PLAYER REPAIRS

1. Preparations

1) Compact disc players incorporate a great many ICs as well as the pick-up (laser diode). These components are sensitive to, and easily affected by, static electricity. If such static electricity is high voltage, components can be damaged, and for that reason components should be handled with care.
2) The pick-up is composed of many optical components and other high-precision components. Care must be taken, therefore, to avoid repair or storage where the temperature of humidity is high, where strong magnetism is present, or where there is excessive dust.

2. Notes for repair

1) Before replacing a component part, first disconnect the power supply lead wire from the unit
2) All equipment, measuring instruments and tools must be grounded.
3) The workbench should be covered with a conductive sheet and grounded.
   When removing the laser pick-up from its conductive bag, do not place the pick-up on the bag. (This is because there is the possibility of damage by static electricity.)
4) To prevent AC leakage, the metal part of the soldering iron should be grounded.
5) Workers should be grounded by an armband (1MΩ)
6) Care should be taken not to permit the laser pick-up to come in contact with clothing, in order to prevent static electricity changes in the clothing to escape from the armband.
7) The laser beam from the pick-up should NEVER be directly facing the eyes or bare skin.



ESD PRECAUTIONS

Electrostatically Sensitive Devices (ESD)

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive Devices (ESD). Examples of typical ESD devices are integrated circuits and some field-effect transistors and semiconductor chip components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

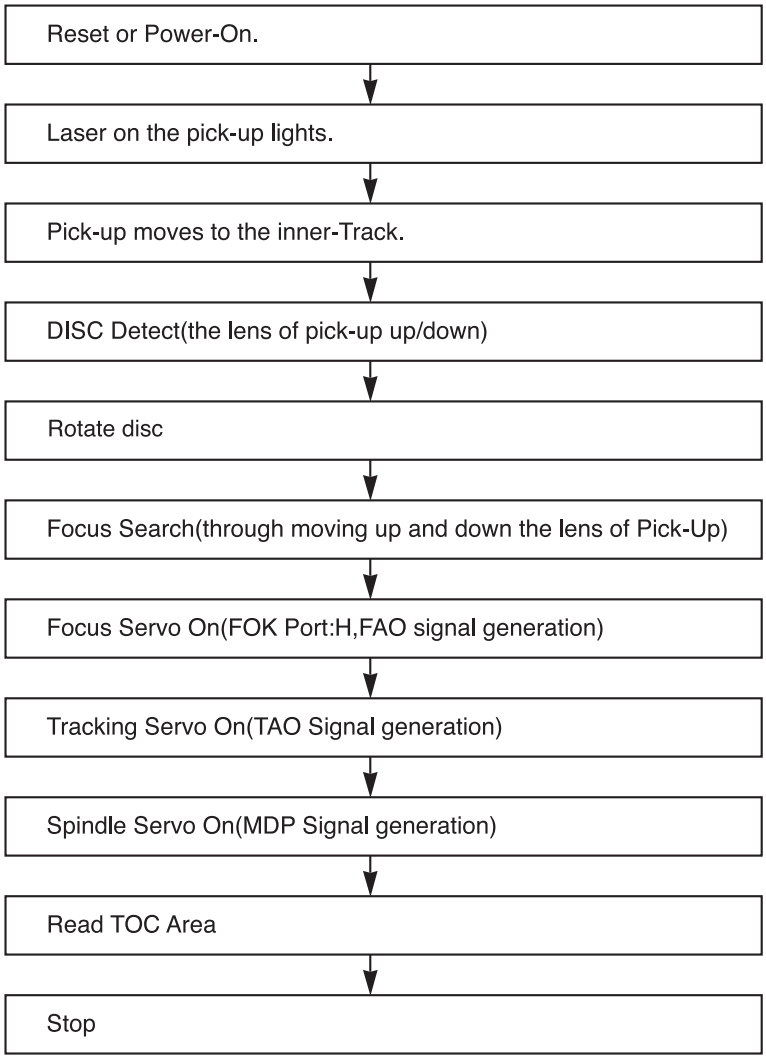
1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ESD devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ESD devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESD devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESD devices.
6. Do not remove a replacement ESD device from its protective package until immediately before you are ready to install it. (Most replacement ESD devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive materials).
7. Immediately before removing the protective material from the leads of a replacement ESD device, touch the protective material to the chassis or circuit assembly into which the device will by installed.

CAUTION : BE SURE NO POWER IS APPLIED TO THE CHASSIS OR CIRCUIT, AND OBSERVE ALL OTHER SAFETY PRECAUTIONS.

8. Minimize bodily motions when handing unpackaged replacement ESD devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ESD device).

TROUBLESHOOTING GUIDE

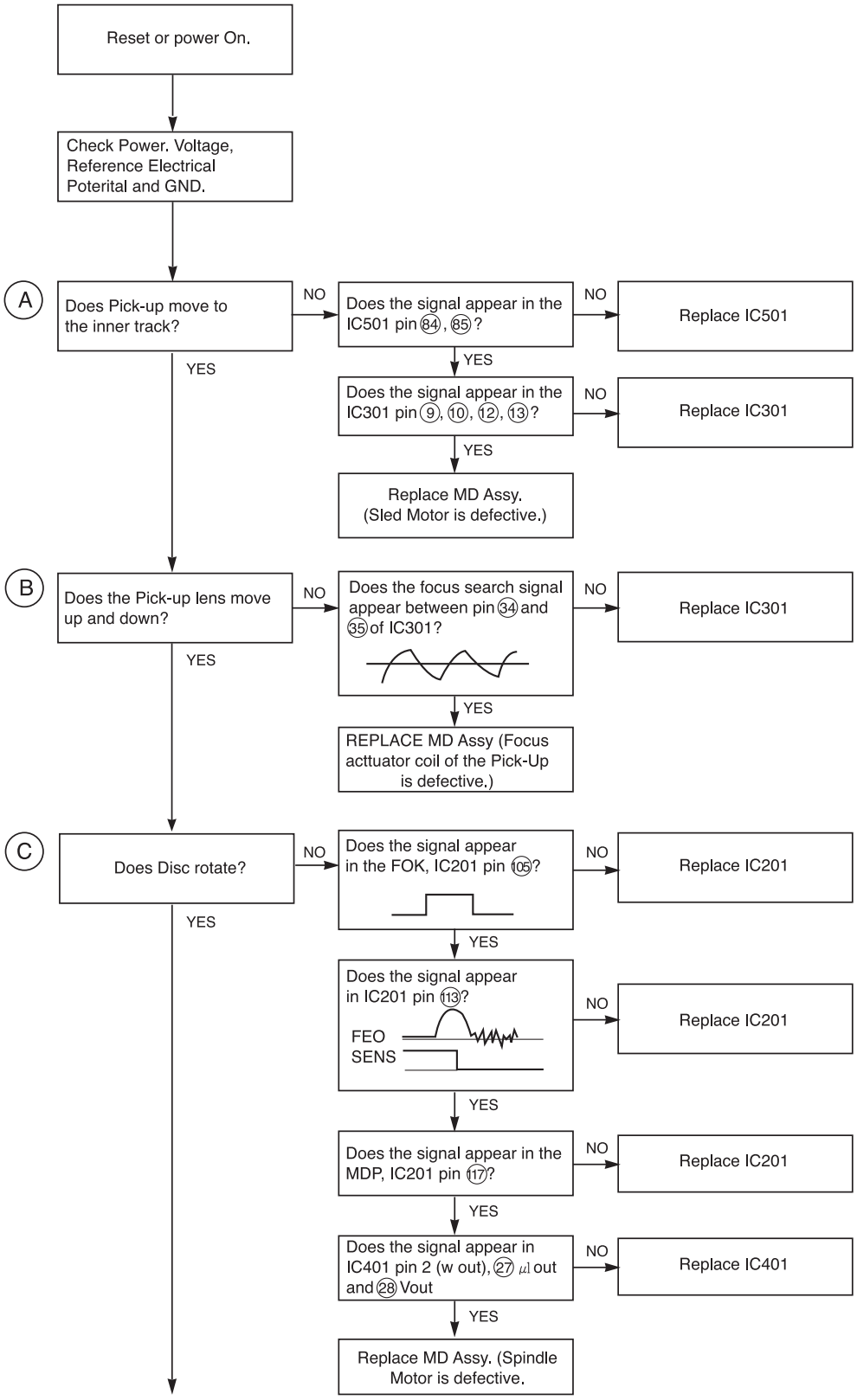
1. Initial Lead-in Operation

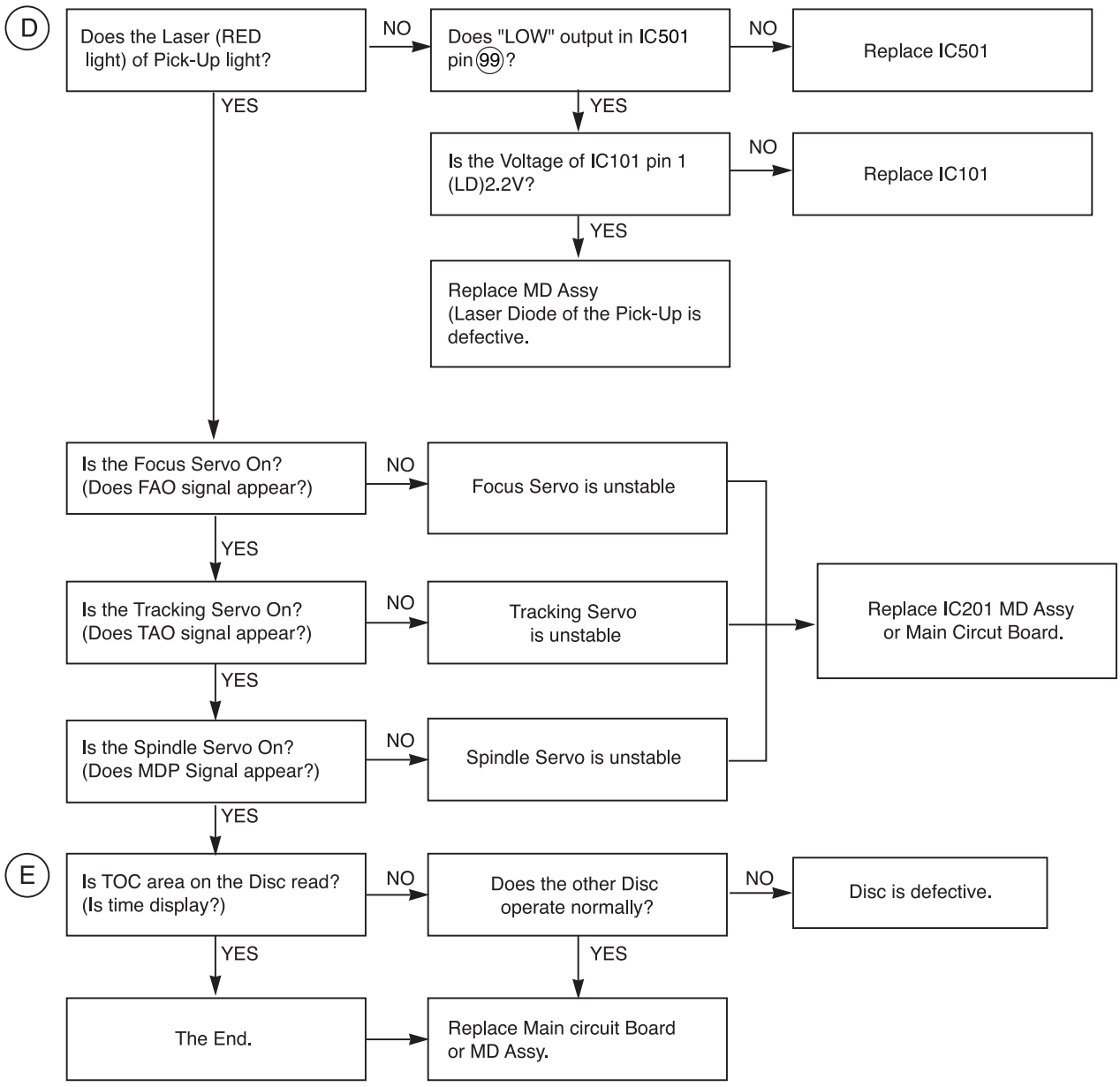

Reset or Power-On.
Laser on the pick-up lights.
Pick-up moves to the inner-Track.
DISC Detect(the lens of pick-up up/down)
Rotate disc
Focus Search(through moving up and down the lens of Pick-Up)
Focus Servo On(FOK Port:H,FAO signal generation)
Tracking Servo On(TAO Signal generation)
Spindle Servo On(MDP Signal generation)
Read TOC Area
Stop

2. Trouble List(Circuit)

(In the Initial Lead-in Operation Mode)
A. Pick-Up doesn't move to the inner-track.
B. Pick-Up lens doesn't move up and down.
C. Disc doesn't rotate.
D. The Laser(RED) of Pick-Up doesn't light.
E. TOC isn't read.

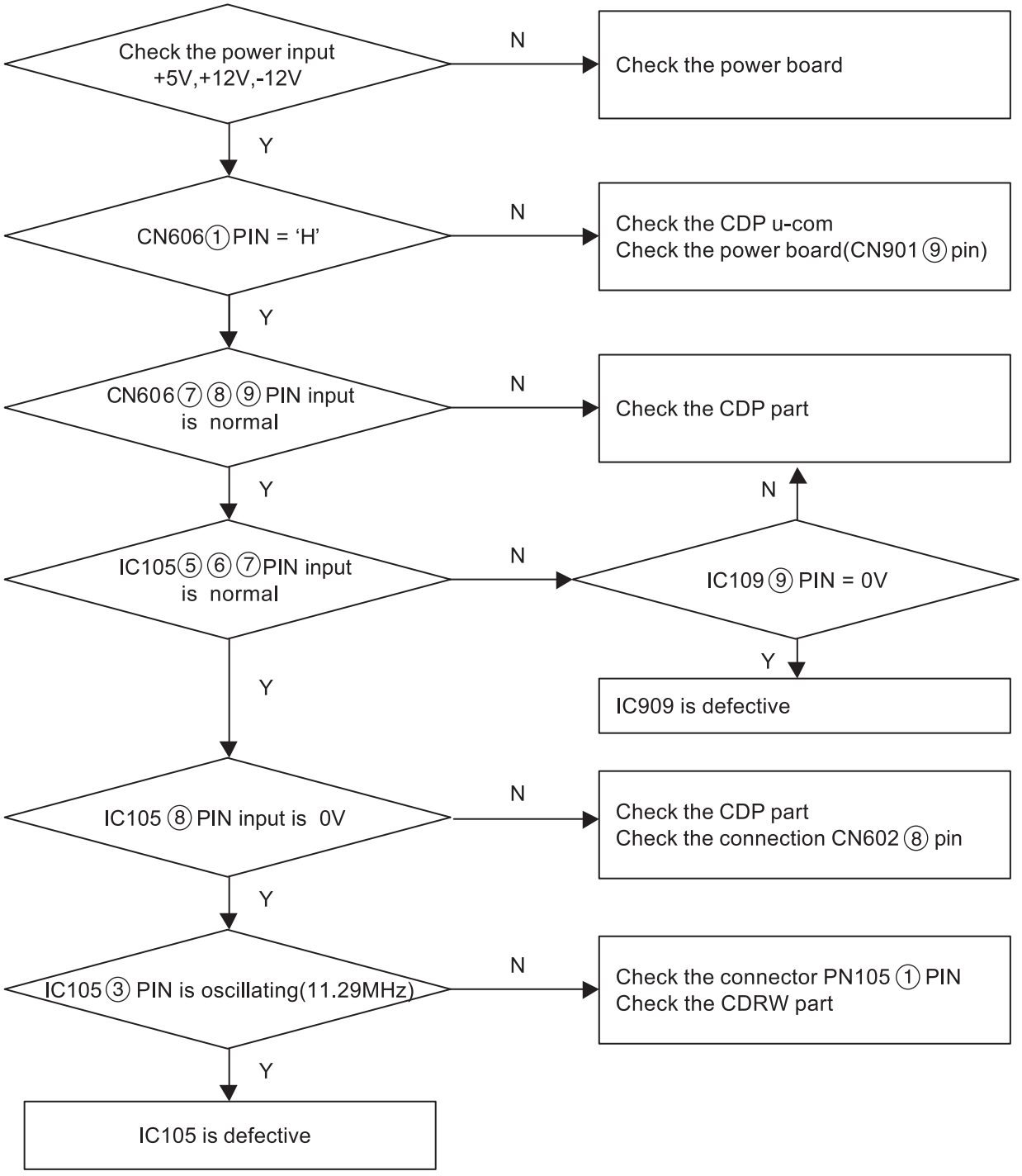
3. Troubleshooting Guide(In the Initial Lead-in Operation Mode)




D
Does the Laser (RED light) of Pick-Up light?
NO
Does "LOW" output in IC501 pin 99?
NO
Replace IC501
YES
YES
Is the Voltage of IC101 pin 1 (LD)2.2V?
NO
Replace IC101
YES
Replace MD Assy (Laser Diode of the Pick-Up is defective.
Is the Focus Servo On? (Does FAO signal appear?)
NO
Focus Servo is unstable
YES
Is the Tracking Servo On? (Does TAO signal appear?)
NO
Tracking Servo is unstable
Replace IC201 MD Assy or Main Circut Board.
YES
Is the Spindle Servo On? (Does MDP Signal appear?)
NO
Spindle Servo is unstable
YES
E
Is TOC area on the Disc read? (Is time display?)
NO
Does the other Disc operate normally?
NO
Disc is defective.
YES
YES
The End.
Replace Main circuit Board or MD Assy.

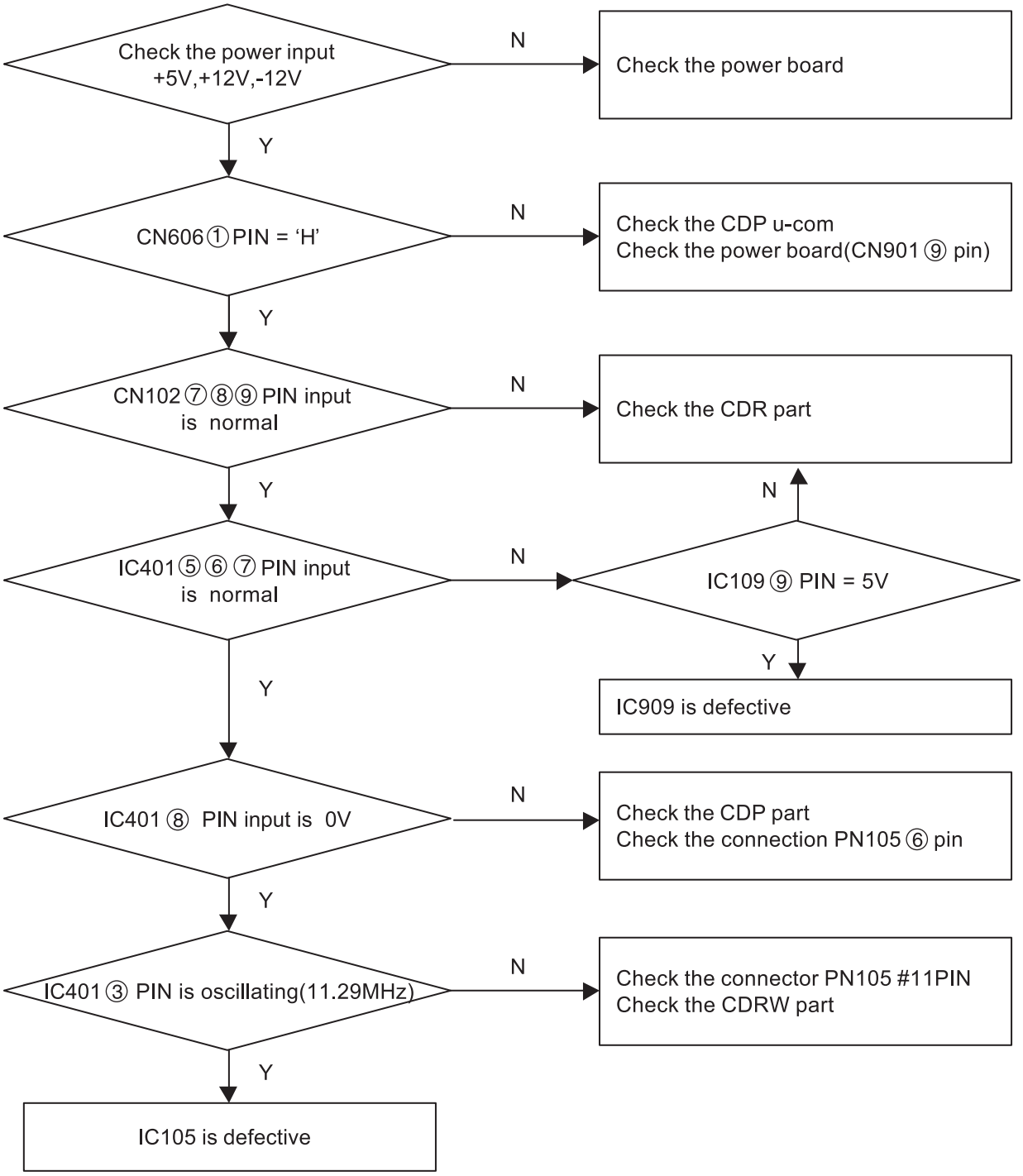
NO AUDIO(CDP JACK)

CURRENT DECK IS CDP

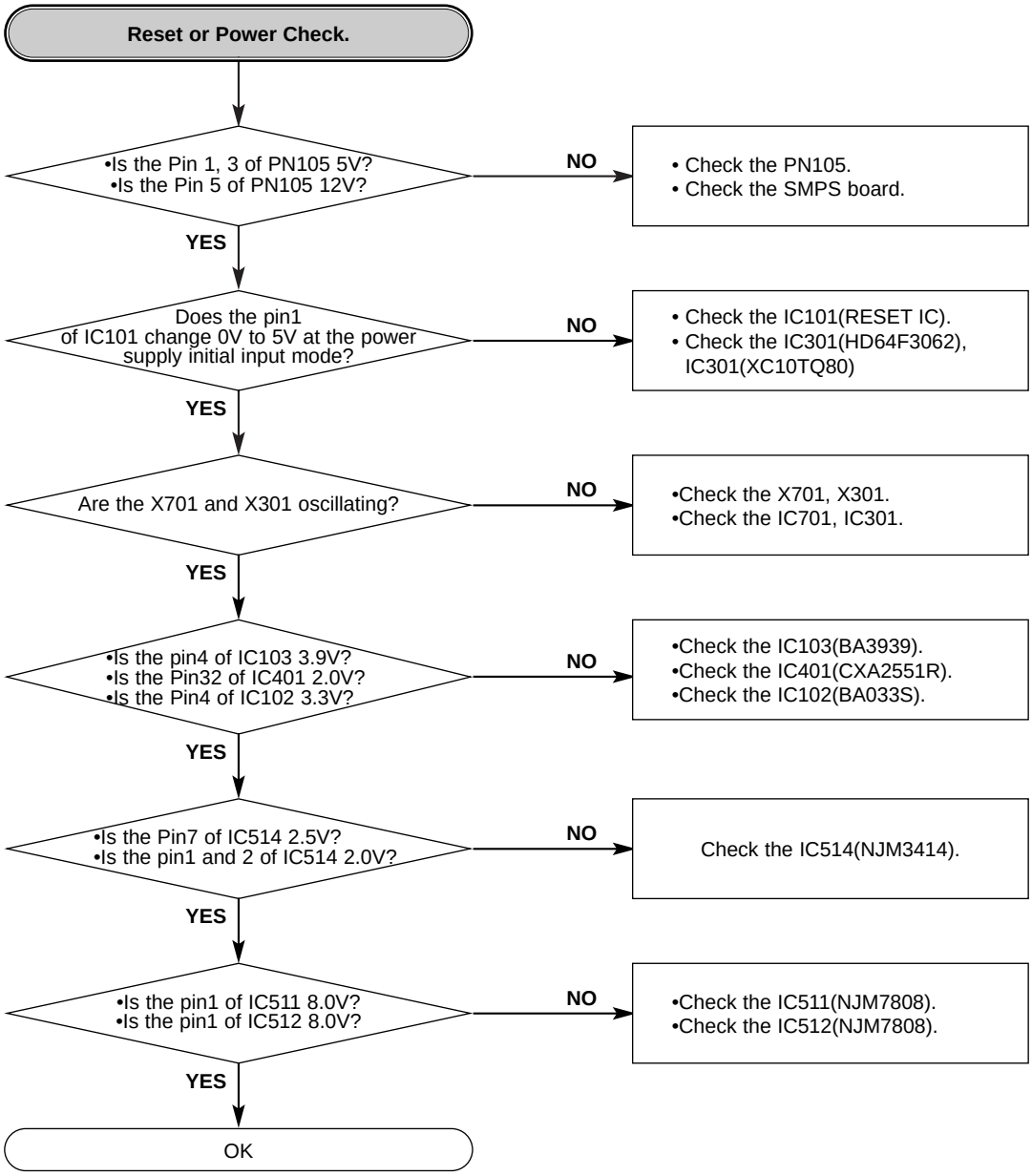


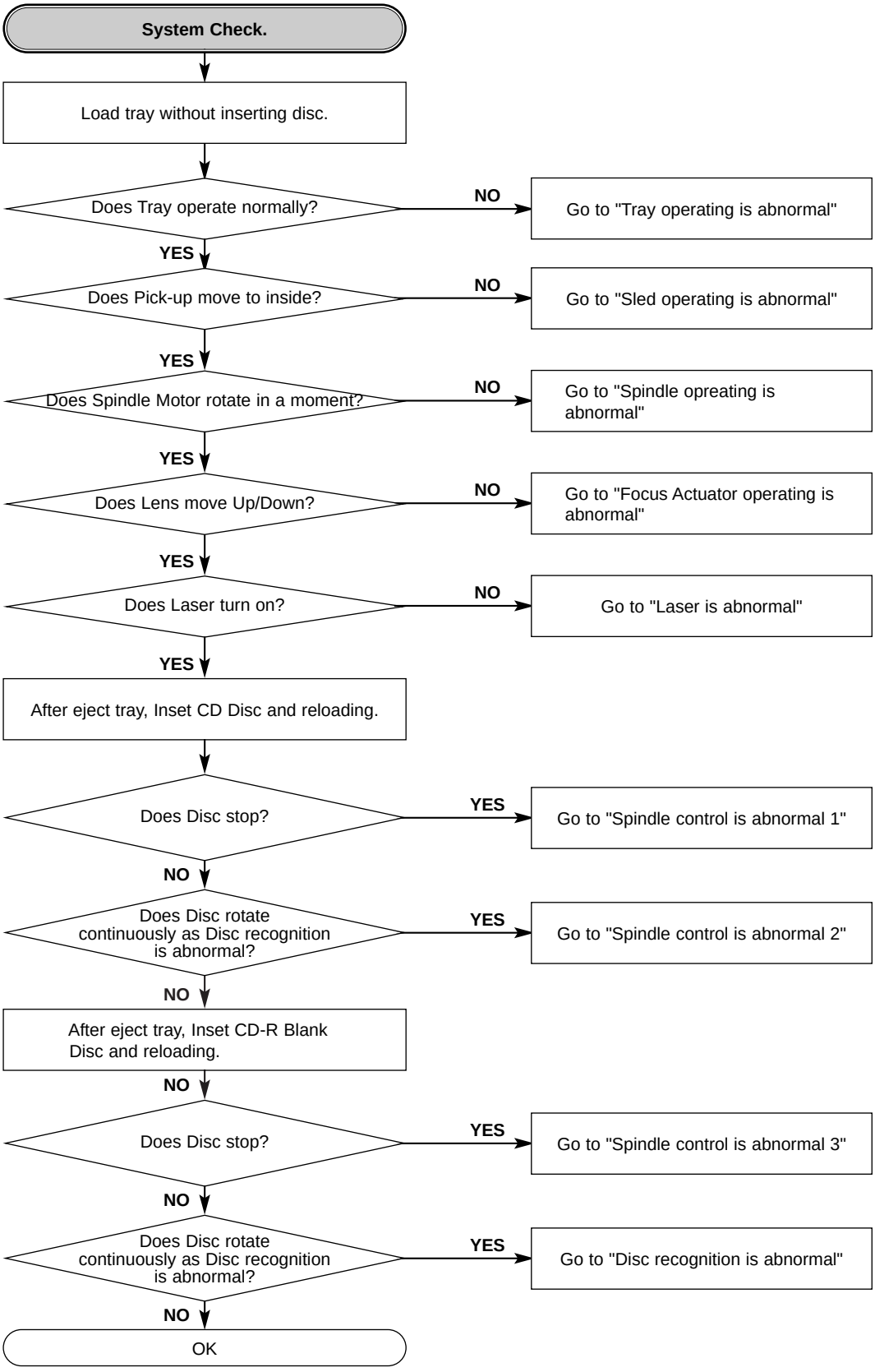
NO AUDIO(CDP JACK)

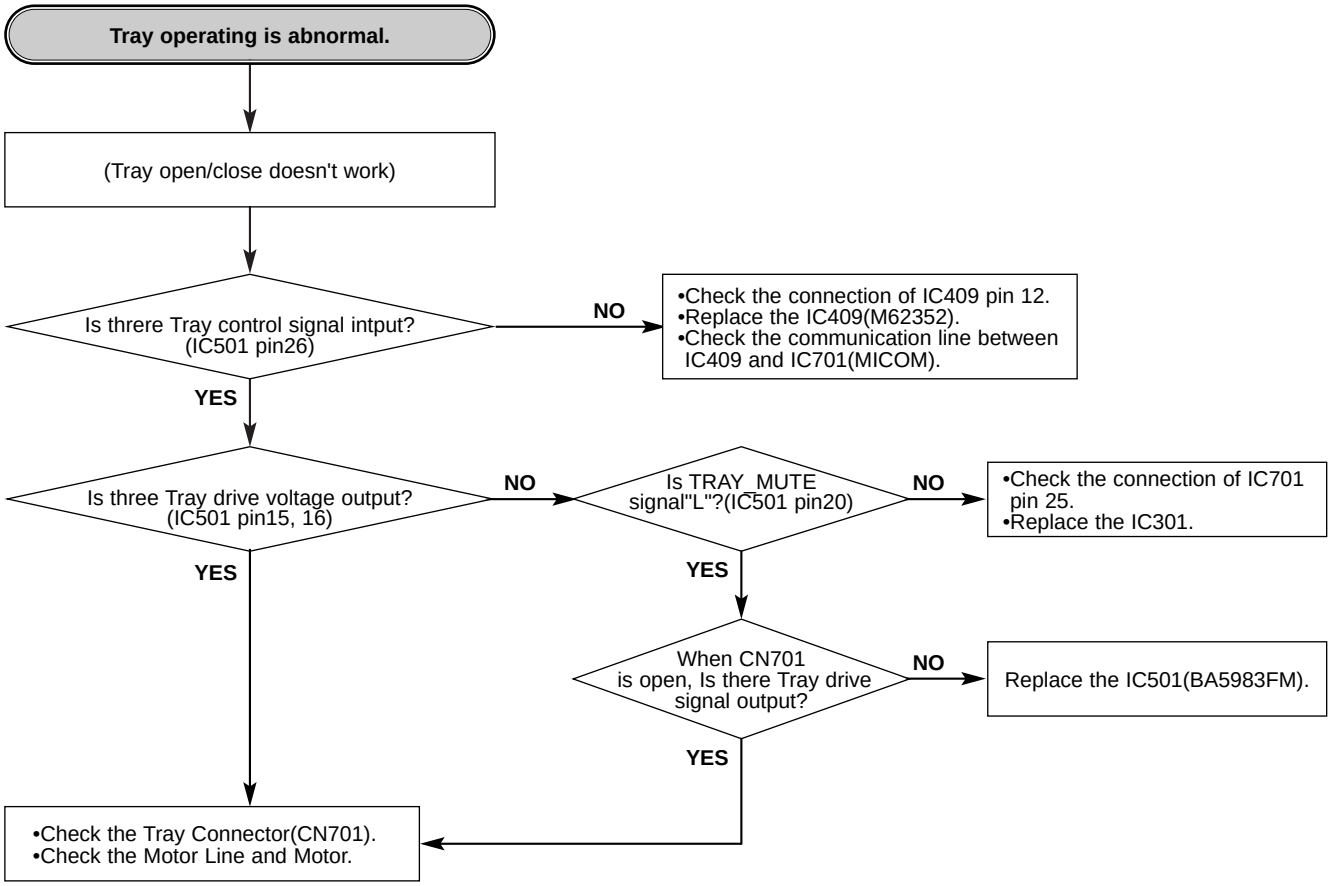
CURRENT DECK IS CDR

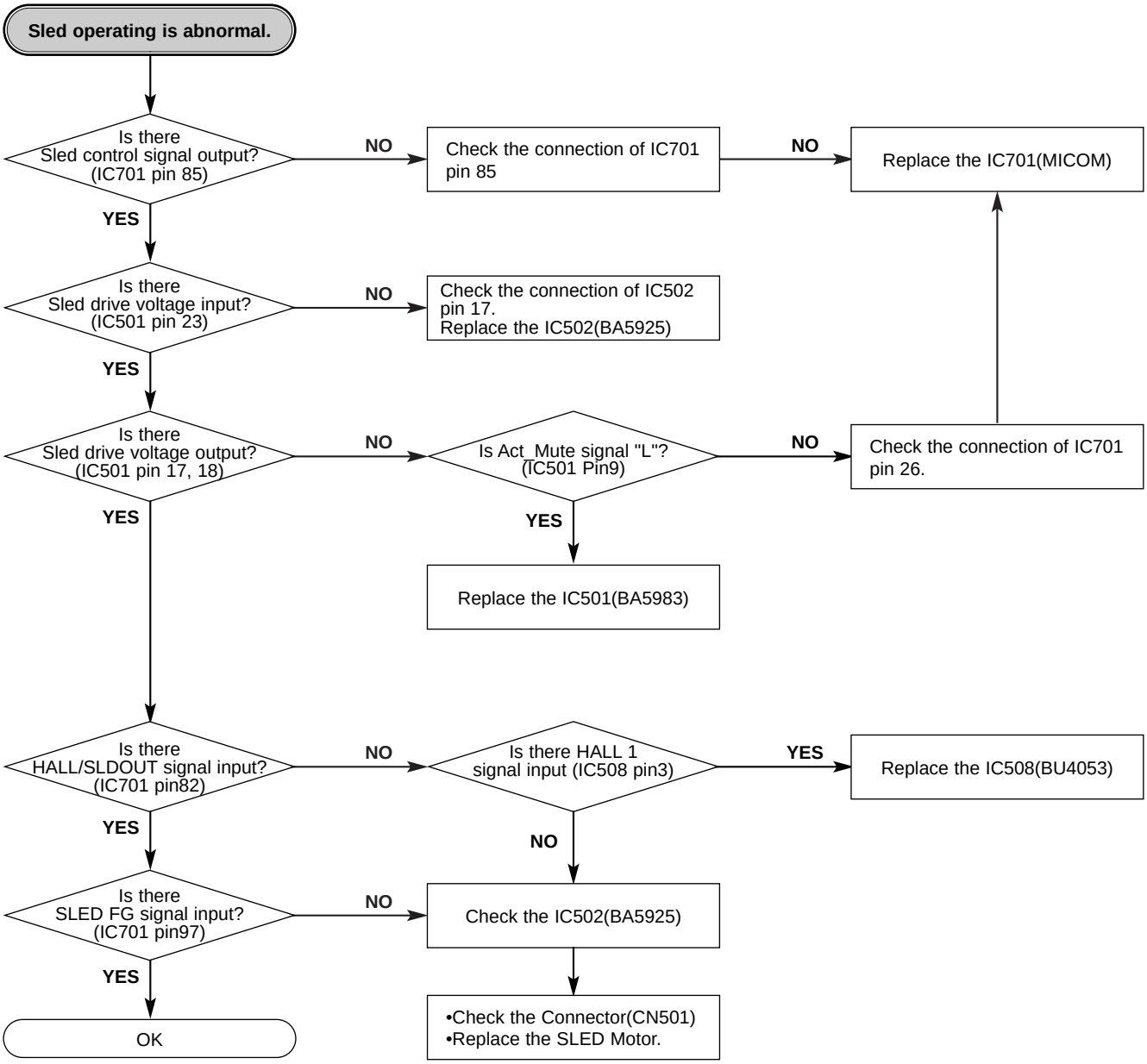


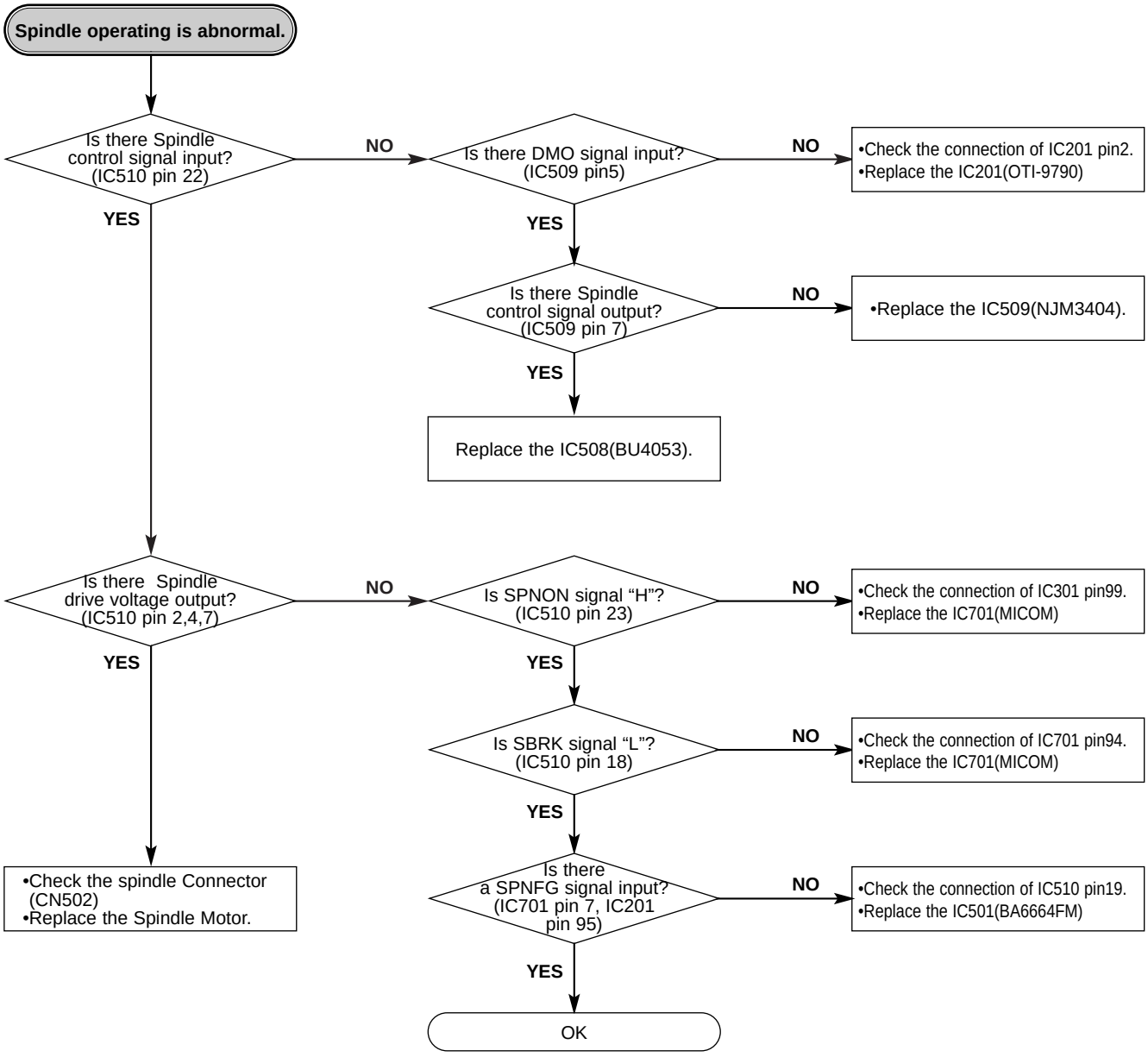
TROUBLESHOOTING GUIDE FOR CD-RW BOARD

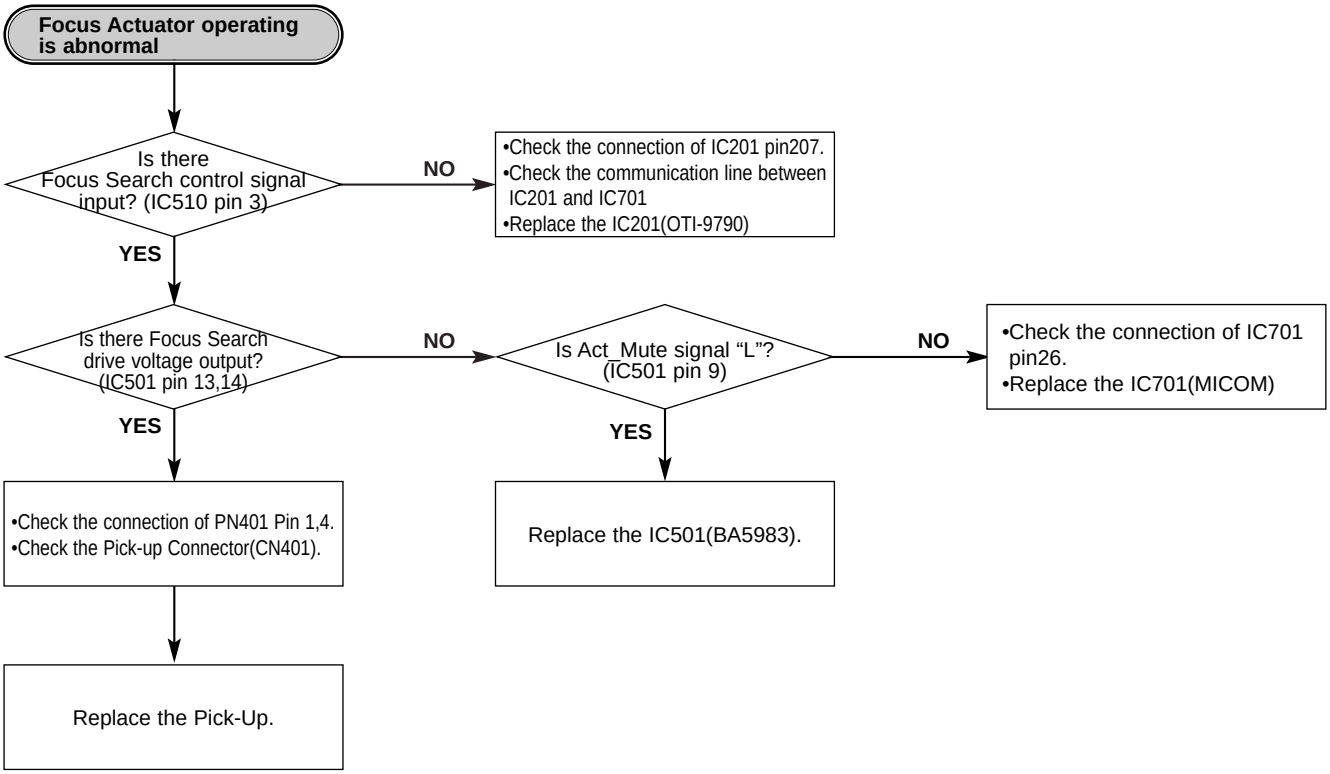


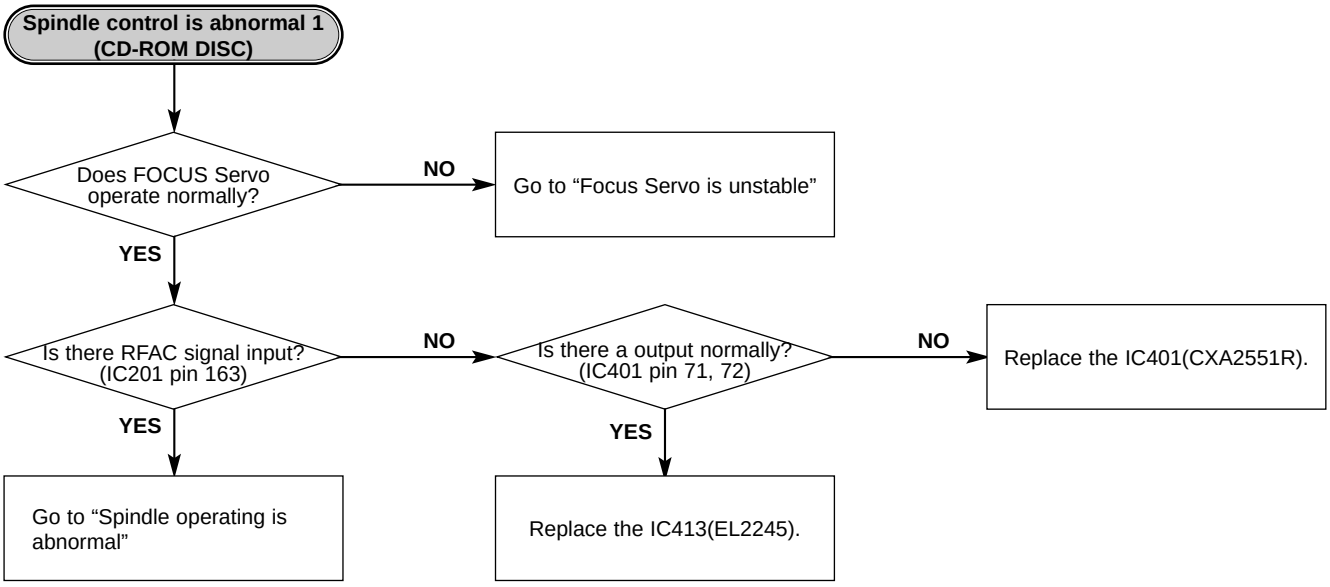

System Check.
Load tray without inserting disc.
Does Tray operate normally?
NO
Go to "Tray operating is abnormal"
YES
Does Pick-up move to inside?
NO
Go to "Sled operating is abnormal"
YES
Does Spindle Motor rotate in a moment?
NO
Go to "Spindle opreating is abnormal"
YES
Does Lens move Up/Down?
NO
Go to "Focus Actuator operating is abnormal"
YES
Does Laser turn on?
NO
Go to "Laser is abnormal"
YES
After eject tray, Inset CD Disc and reloading.
Does Disc stop?
YES
Go to "Spindle control is abnormal 1"
NO
Does Disc rotate continuously as Disc recognition is abnormal?
YES
Go to "Spindle control is abnormal 2"
NO
After eject tray, Inset CD-R Blank Disc and reloading.
NO
Does Disc stop?
YES
Go to "Spindle control is abnormal 3"
NO
Does Disc rotate continuously as Disc recognition is abnormal?
YES
Go to "Disc recognition is abnormal"
NO
OK

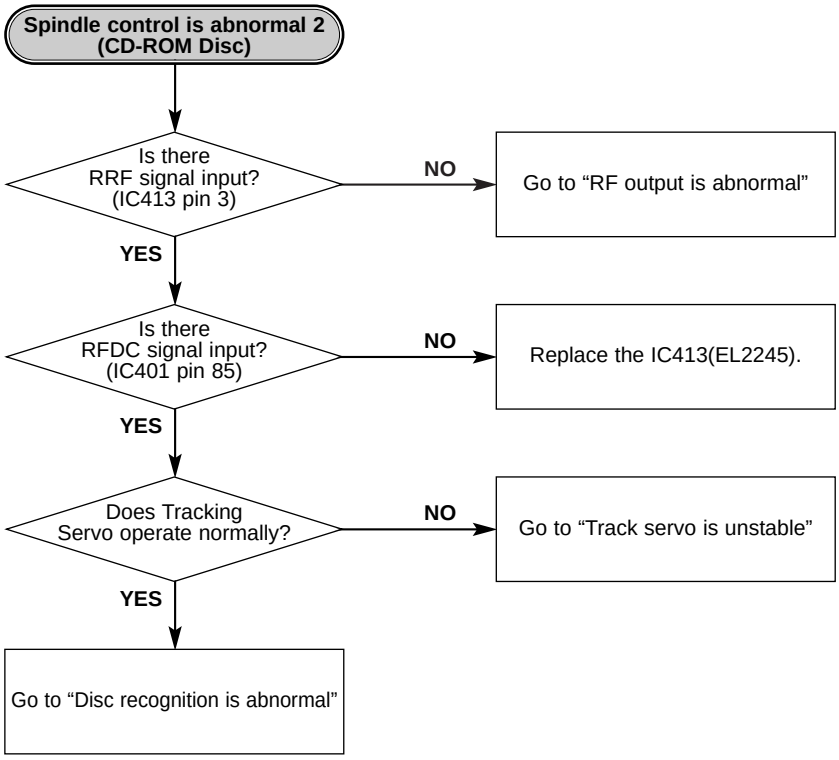

Tray operating is abnormal.
(Tray open/close doesn't work)
Is threre Tray control signal intput?
(IC501 pin26)
NO
•Check the connection of IC409 pin 12.
•Replace the IC409(M62352).
•Check the communication line between
IC409 and IC701(MICOM).
YES
Is three Tray drive voltage output?
(IC501 pin15, 16)
NO
Is TRAY_MUTE
signal"L"?(IC501 pin20)
NO
•Check the connection of IC701
pin 25.
•Replace the IC301.
YES
YES
When CN701
is open, Is there Tray drive
signal output?
NO
Replace the IC501(BA5983FM).
YES
•Check the Tray Connector(CN701).
•Check the Motor Line and Motor.

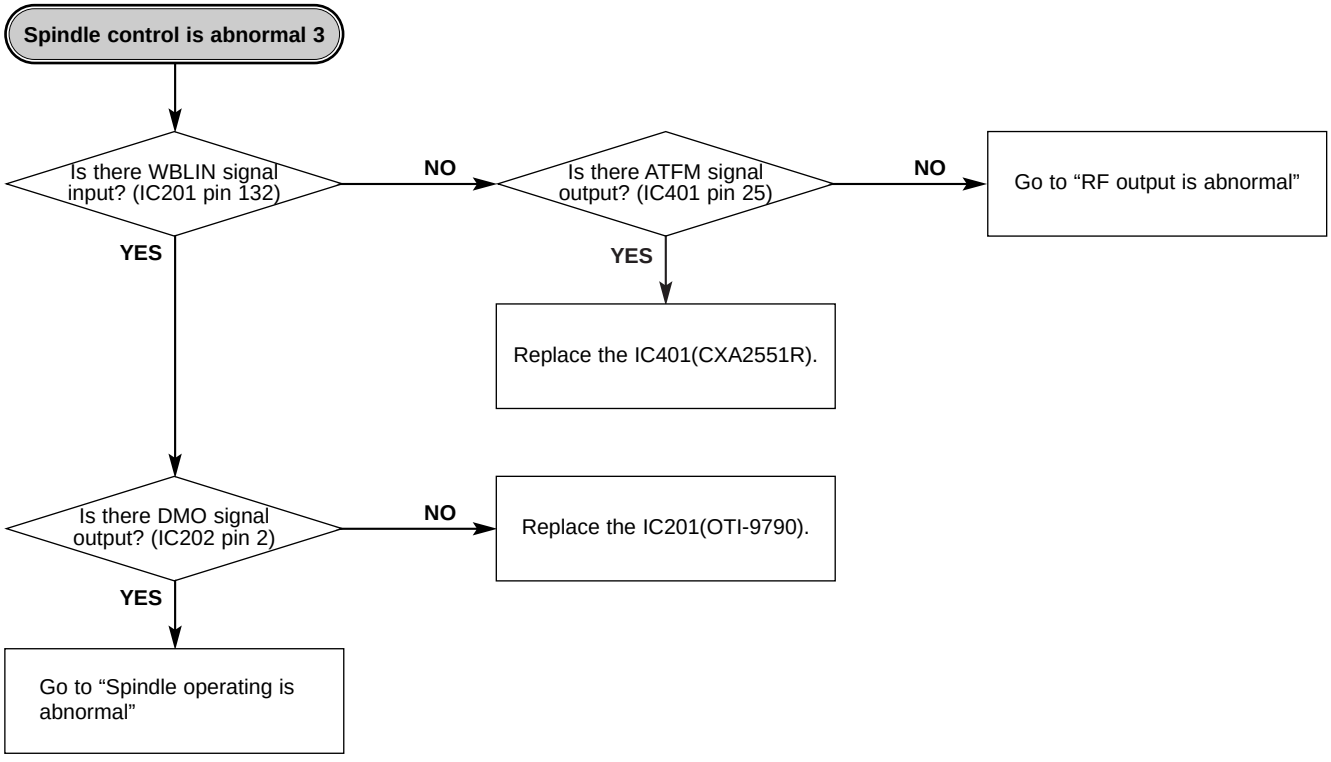

Sled operating is abnormal.
Is there Sled control signal output? (IC701 pin 85)
NO
Check the connection of IC701 pin 85
NO
Replace the IC701(MICOM)
YES
Is there Sled drive voltage input? (IC501 pin 23)
NO
Check the connection of IC502 pin 17. Replace the IC502(BA5925)
YES
Is there Sled drive voltage output? (IC501 pin 17, 18)
NO
Is Act_Mute signal "L"? (IC501 Pin9)
NO
Check the connection of IC701 pin 26.
YES
Replace the IC501(BA5983)
YES
Is there HALL/SLDOUT signal input? (IC701 pin82)
NO
Is there HALL 1 signal input (IC508 pin3)
YES
Replace the IC508(BU4053)
YES
NO
Is there SLED FG signal input? (IC701 pin97)
NO
Check the IC502(BA5925)
YES
•Check the Connector(CN501)
•Replace the SLED Motor.
OK

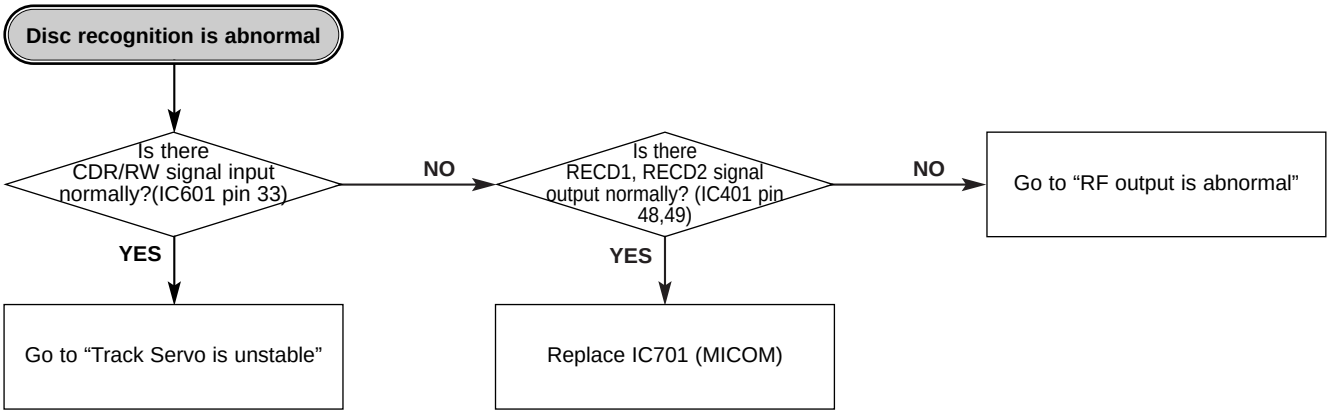

Spindle operating is abnormal.
Is there Spindle control signal input? (IC510 pin 22)
NO
Is there DMO signal input? (IC509 pin5)
NO
•Check the connection of IC201 pin2.
•Replace the IC201(OTI-9790)
YES
YES
Is there Spindle control signal output? (IC509 pin 7)
NO
•Replace the IC509(NJM3404).
YES
Replace the IC508(BU4053).
Is there Spindle drive voltage output? (IC510 pin 2,4,7)
NO
Is SPNON signal “H”? (IC510 pin 23)
NO
•Check the connection of IC301 pin99.
•Replace the IC701(MICOM)
YES
YES
Is SBRK signal “L”? (IC510 pin 18)
NO
•Check the connection of IC701 pin94.
•Replace the IC701(MICOM)
YES
•Check the spindle Connector (CN502)
•Replace the Spindle Motor.
Is there a SPNFG signal input? (IC701 pin 7, IC201 pin 95)
NO
•Check the connection of IC510 pin19.
•Replace the IC501(BA6664FM)
YES
OK

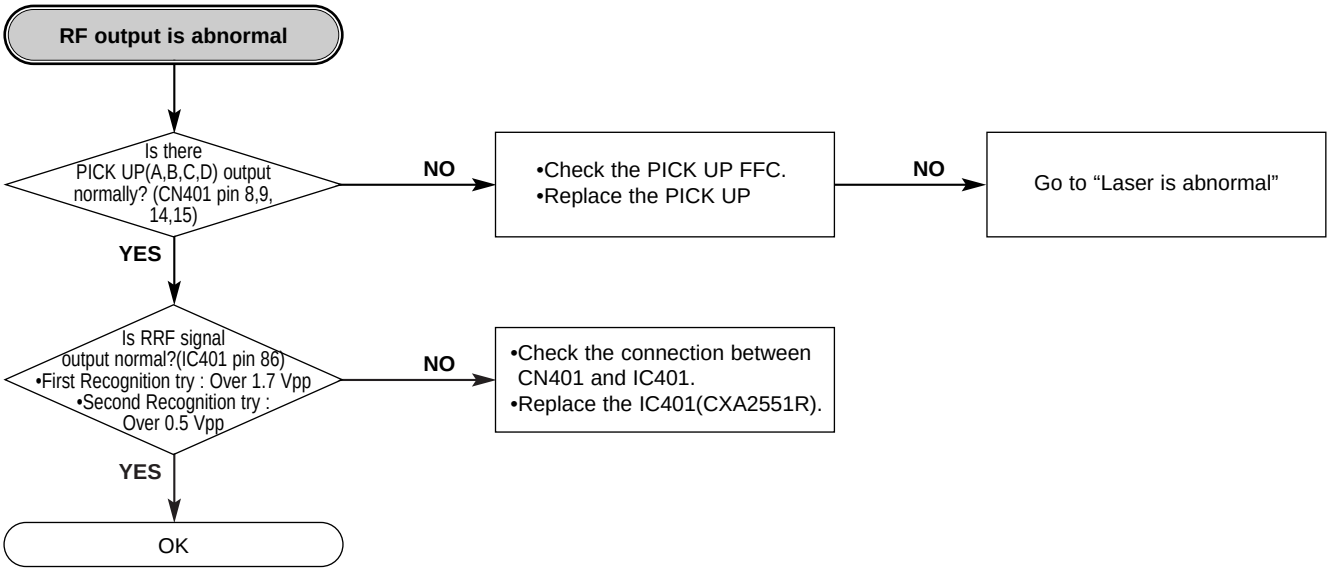

Focus Actuator operating is abnormal
Is there Focus Search control signal input? (IC510 pin 3)
NO
•Check the connection of IC201 pin207.
•Check the communication line between IC201 and IC701
•Replace the IC201(OTI-9790)
YES
Is there Focus Search drive voltage output? (IC501 pin 13,14)
NO
Is Act_Mute signal “L”? (IC501 pin 9)
NO
•Check the connection of IC701 pin26.
•Replace the IC701(MICOM)
YES
YES
•Check the connection of PN401 Pin 1,4.
•Check the Pick-up Connector(CN401).
Replace the IC501(BA5983).
Replace the Pick-Up.

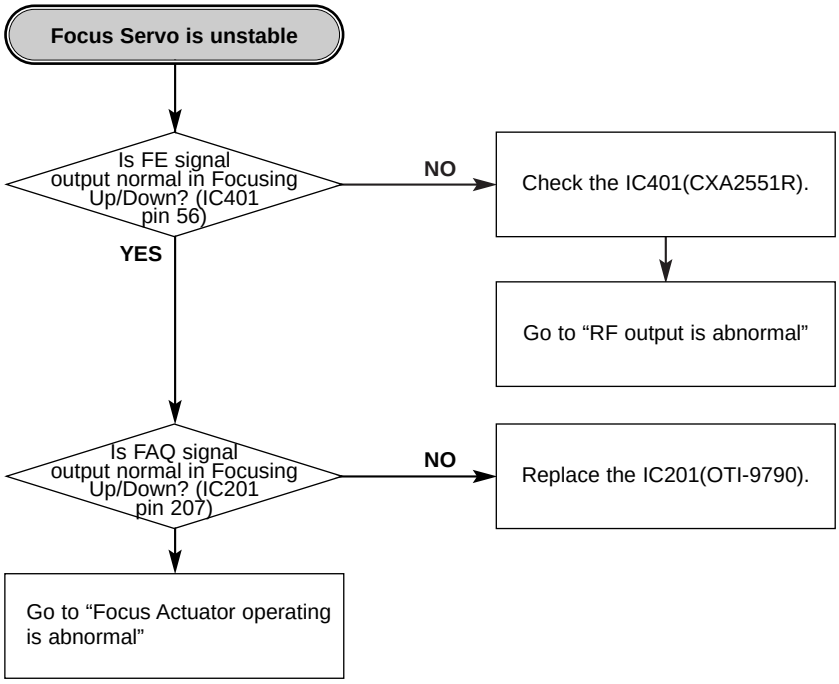

Spindle control is abnormal 1 (CD-ROM DISC)
Does FOCUS Servo operate normally?
NO
Go to “Focus Servo is unstable”
YES
Is there RFAC signal input? (IC201 pin 163)
NO
Is there a output normally? (IC401 pin 71, 72)
NO
Replace the IC401(CXA2551R).
YES
YES
Go to “Spindle operating is abnormal”
Replace the IC413(EL2245).

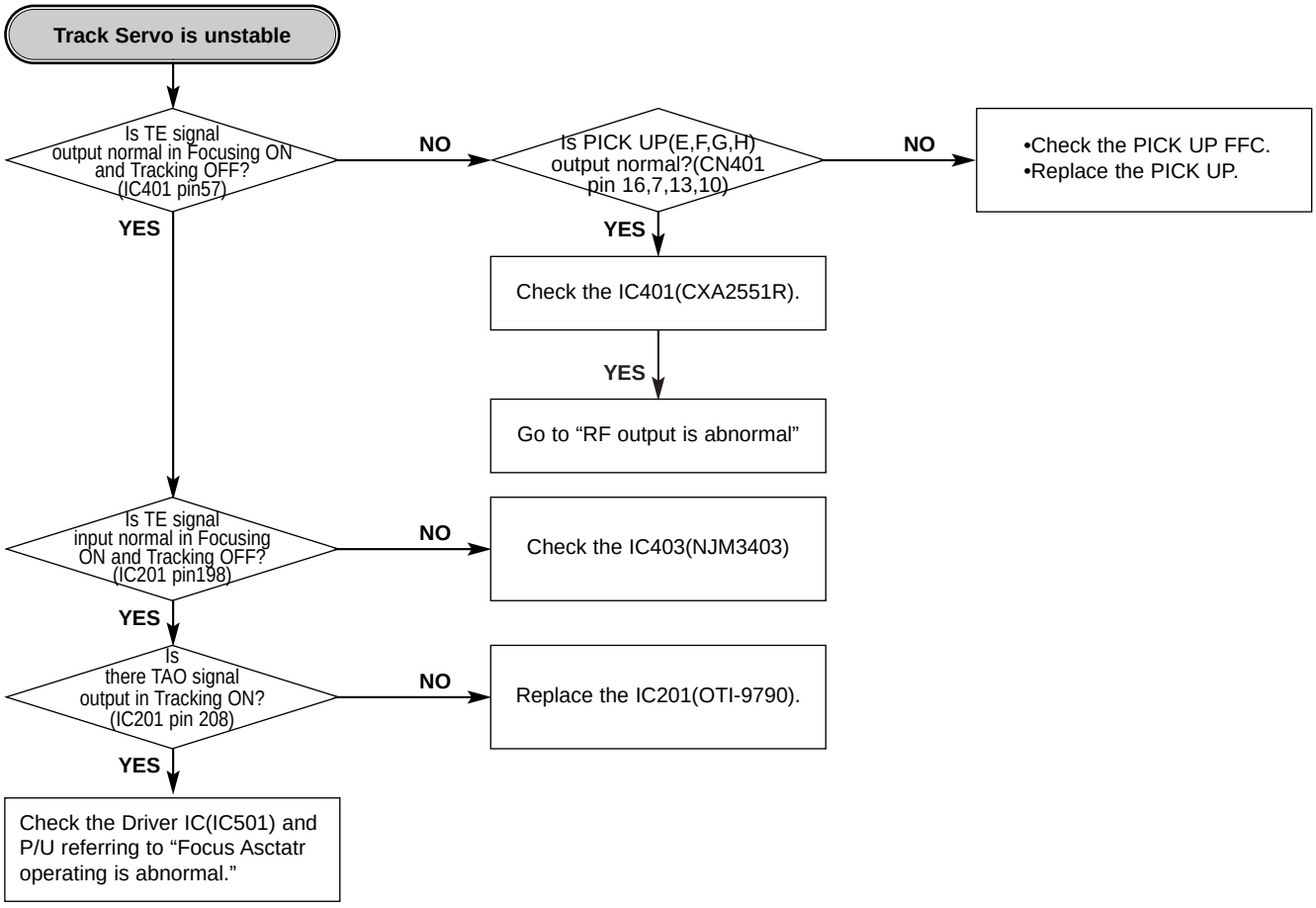

Spindle control is abnormal 2 (CD-ROM Disc)
Is there RRF signal input? (IC413 pin 3)
NO
Go to “RF output is abnormal”
YES
Is there RFDC signal input? (IC401 pin 85)
NO
Replace the IC413(EL2245).
YES
Does Tracking Servo operate normally?
NO
Go to “Track servo is unstable”
YES
Go to “Disc recognition is abnormal”

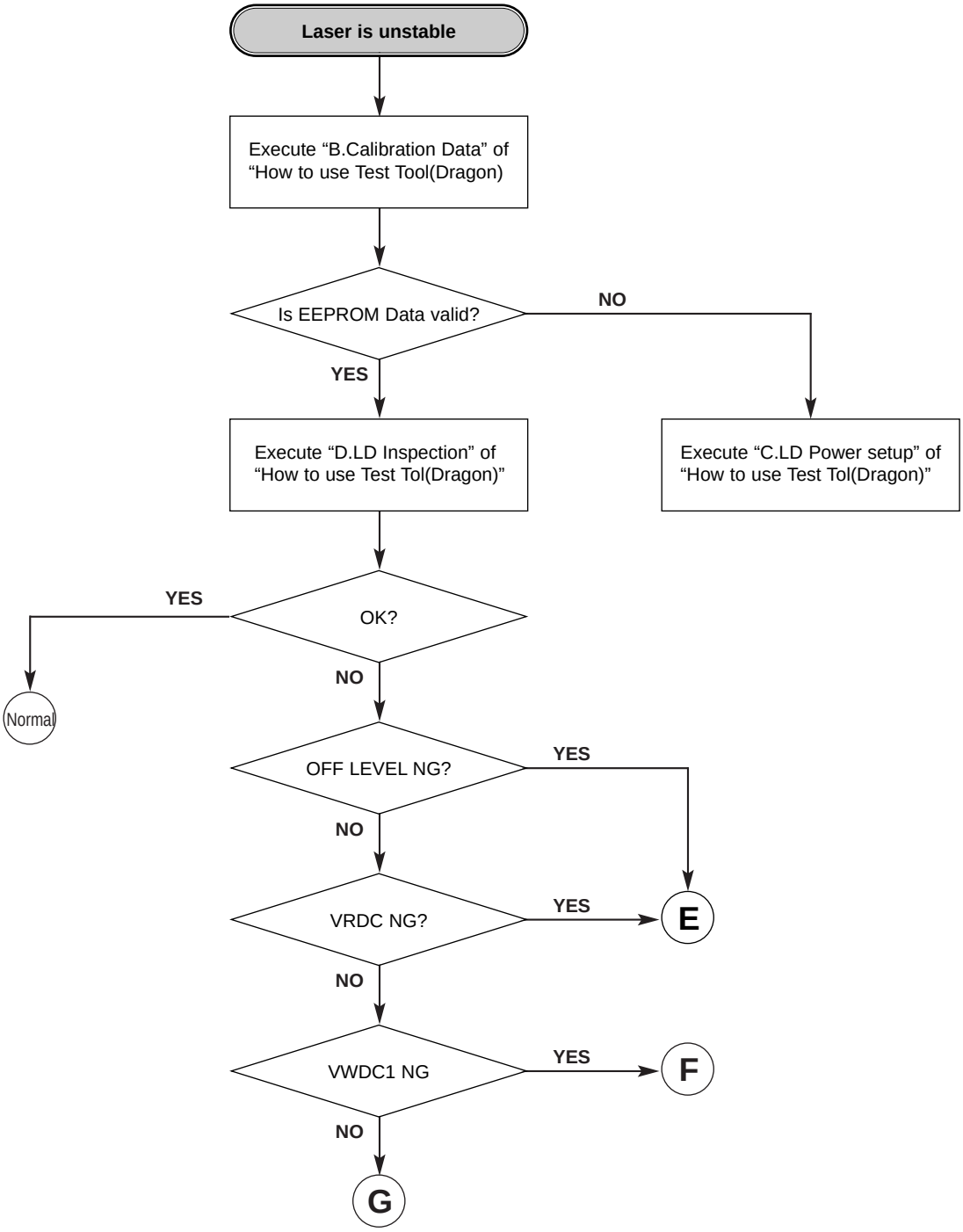

Spindle control is abnormal 3
Is there WBLIN signal input? (IC201 pin 132)
NO
Is there ATFM signal output? (IC401 pin 25)
NO
Go to “RF output is abnormal”
YES
YES
Replace the IC401(CXA2551R).
Is there DMO signal output? (IC202 pin 2)
NO
Replace the IC201(OTI-9790).
YES
Go to “Spindle operating is abnormal”


Disc recognition is abnormal
Is there CDR/RW signal input normally?(IC601 pin 33)
NO
Is there RECD1, RECD2 signal output normally? (IC401 pin 48,49)
NO
Go to “RF output is abnormal”
YES
YES
Go to “Track Servo is unstable”
Replace IC701 (MICOM)

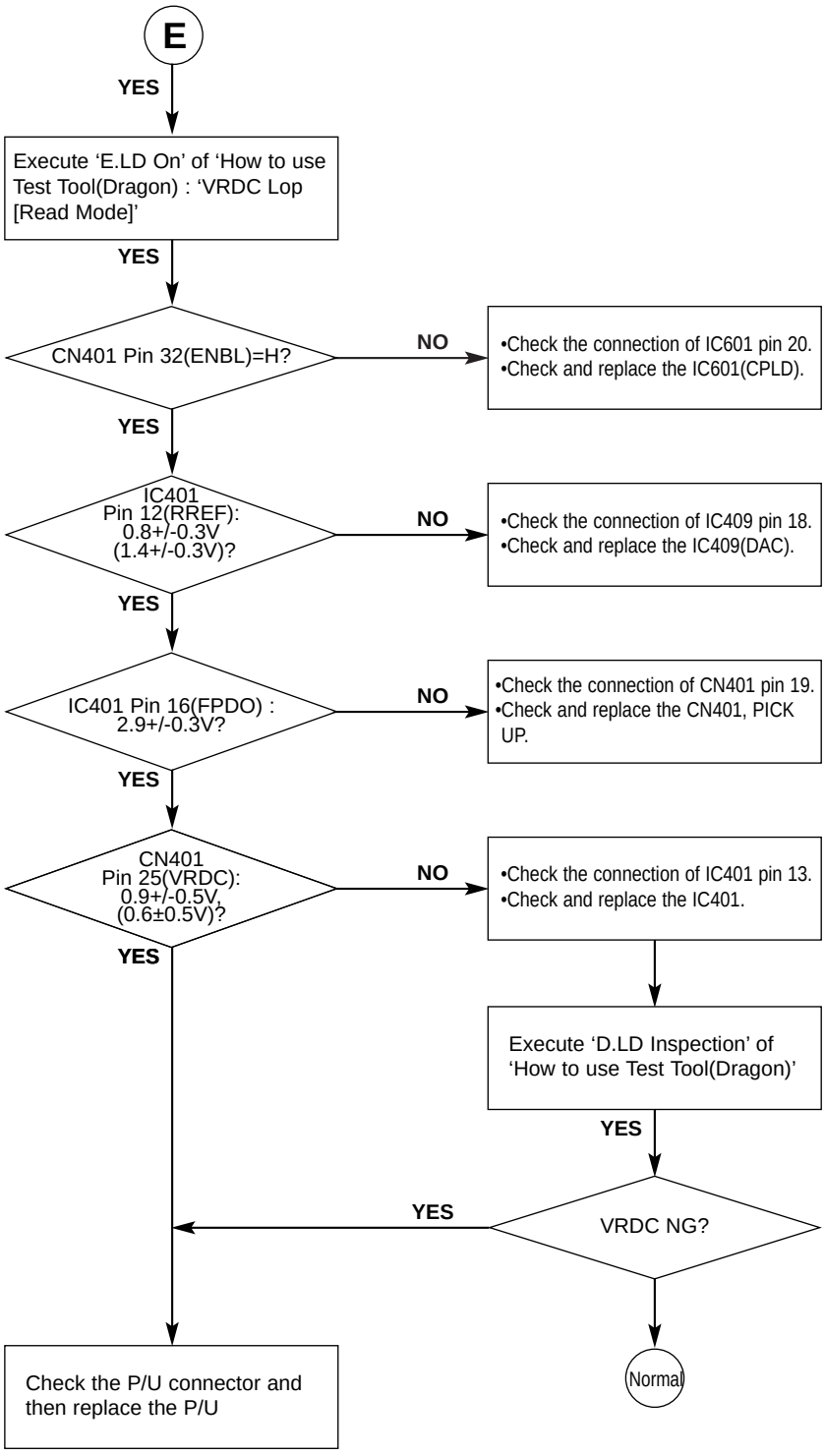

RF output is abnormal
Is there PICK UP(A,B,C,D) output normally? (CN401 pin 8,9, 14,15)
NO
•Check the PICK UP FFC.
•Replace the PICK UP
NO
Go to “Laser is abnormal”
YES
Is RRF signal output normal?(IC401 pin 86)
•First Recognition try : Over 1.7 Vpp
•Second Recognition try : Over 0.5 Vpp
NO
•Check the connection between CN401 and IC401.
•Replace the IC401(CXA2551R).
YES
OK


Focus Servo is unstable
Is FE signal output normal in Focusing Up/Down? (IC401 pin 56)
NO
Check the IC401(CXA2551R).
YES
Go to “RF output is abnormal”
Is FAQ signal output normal in Focusing Up/Down? (IC201 pin 207)
NO
Replace the IC201(OTI-9790).
Go to “Focus Actuator operating is abnormal”

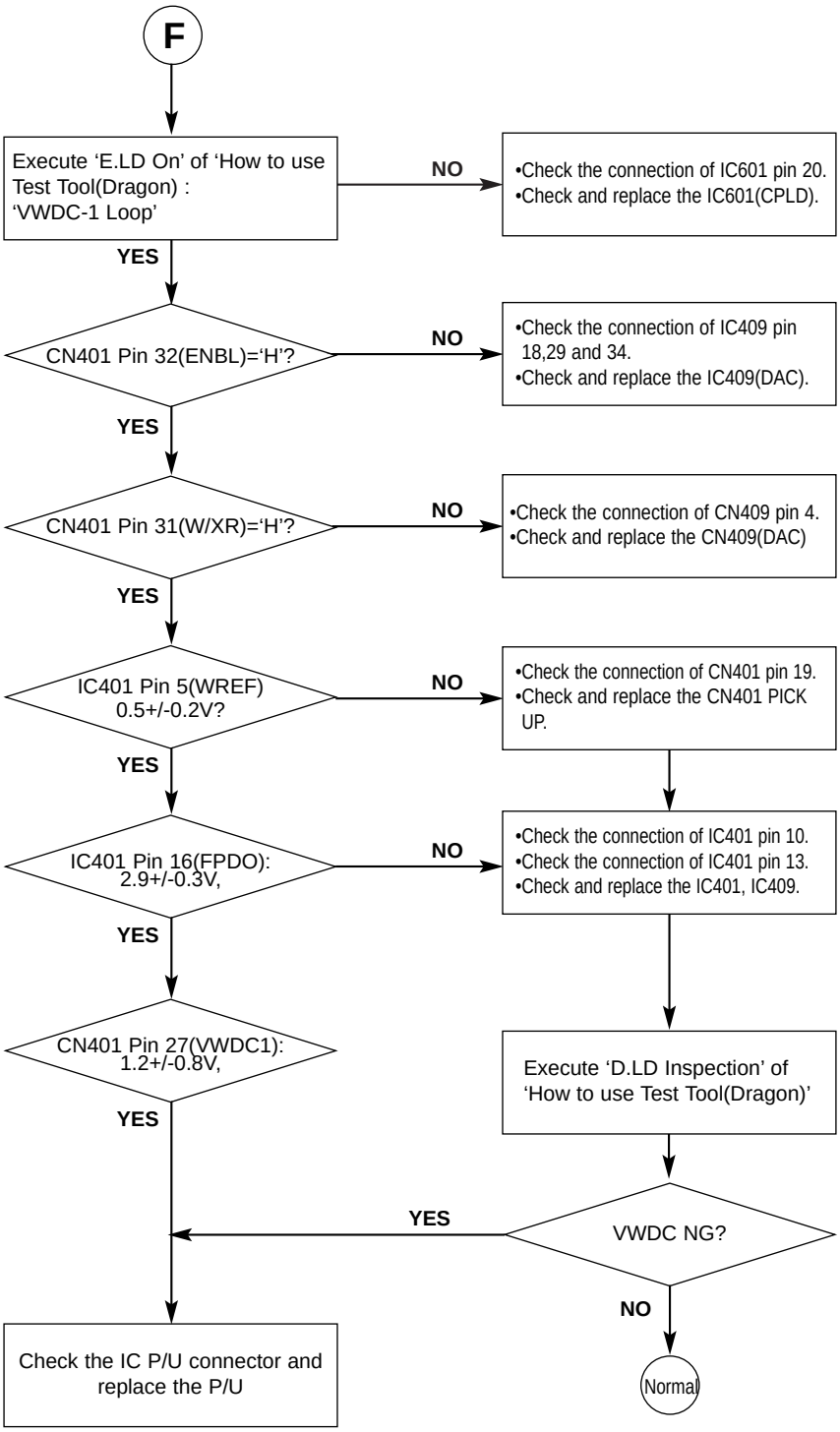

Track Servo is unstable
Is TE signal output normal in Focusing ON and Tracking OFF? (IC401 pin57)
NO
Is PICK UP(E,F,G,H) output normal?(CN401 pin 16,7,13,10)
NO
•Check the PICK UP FFC.
•Replace the PICK UP.
YES
YES
Check the IC401(CXA2551R).
YES
Go to “RF output is abnormal”
Is TE signal input normal in Focusing ON and Tracking OFF? (IC201 pin198)
NO
Check the IC403(NJM3403)
YES
Is there TAO signal output in Tracking ON? (IC201 pin 208)
NO
Replace the IC201(OTI-9790).
YES
Check the Driver IC(IC501) and P/U referring to “Focus Asctatr operating is abnormal.”

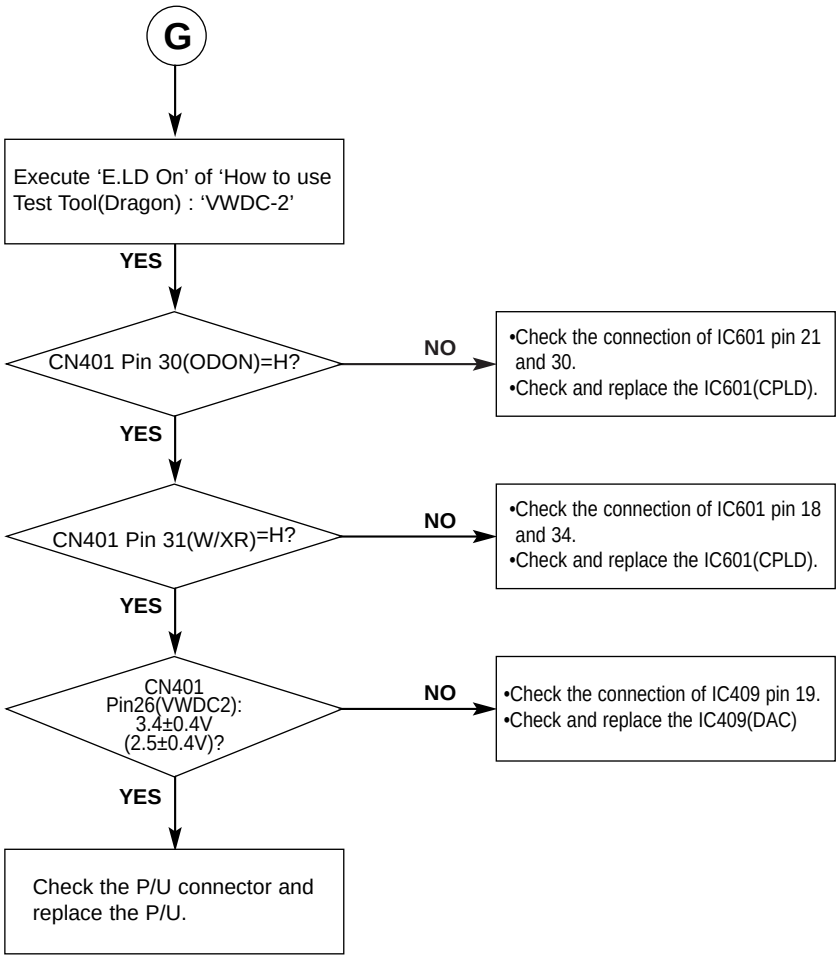

Laser is unstable
Execute “B.Calibration Data” of “How to use Test Tool(Dragon)
Is EEPROM Data valid?
NO
YES
Execute “D.LD Inspection” of “How to use Test Tol(Dragon)”
Execute “C.LD Power setup” of “How to use Test Tol(Dragon)”
YES
OK?
NO
Normal
OFF LEVEL NG?
YES
NO
VRDC NG?
YES
E
NO
VWDC1 NG
YES
F
NO
G

LD CHECK (Not Read)

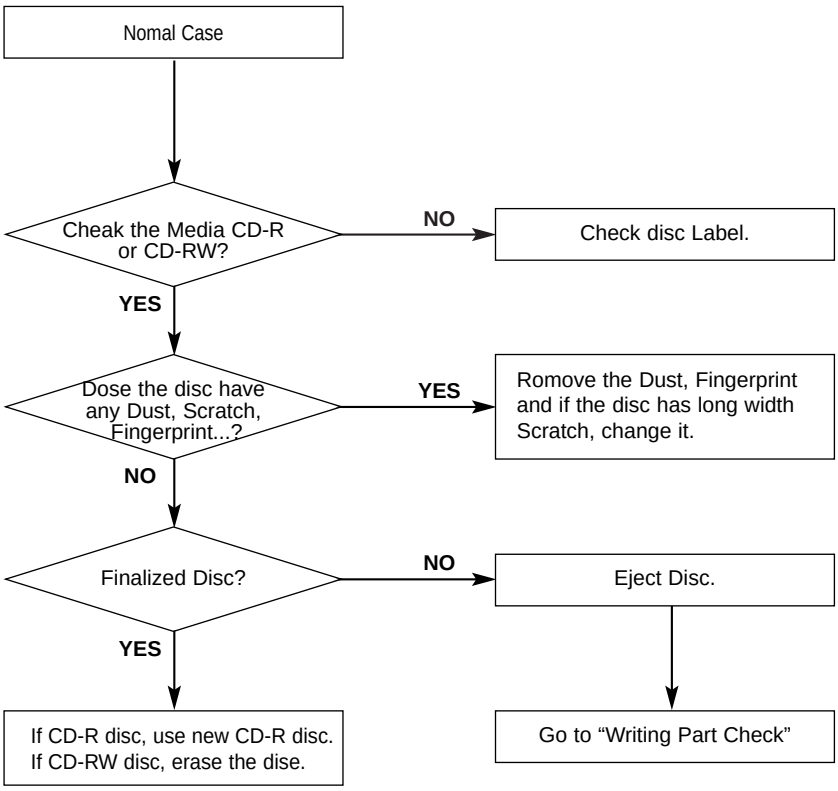


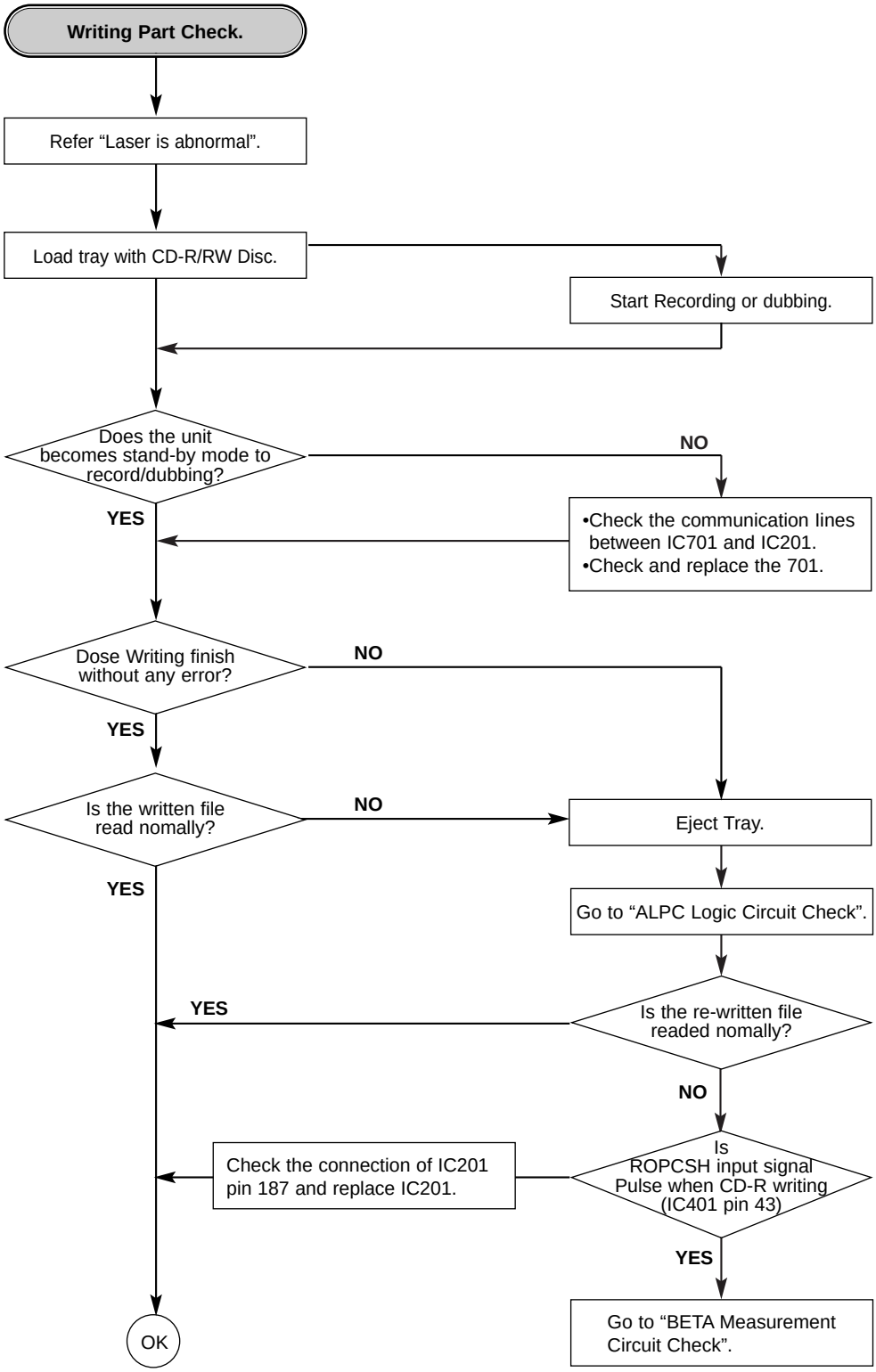
LD CHECK (Not Recored)

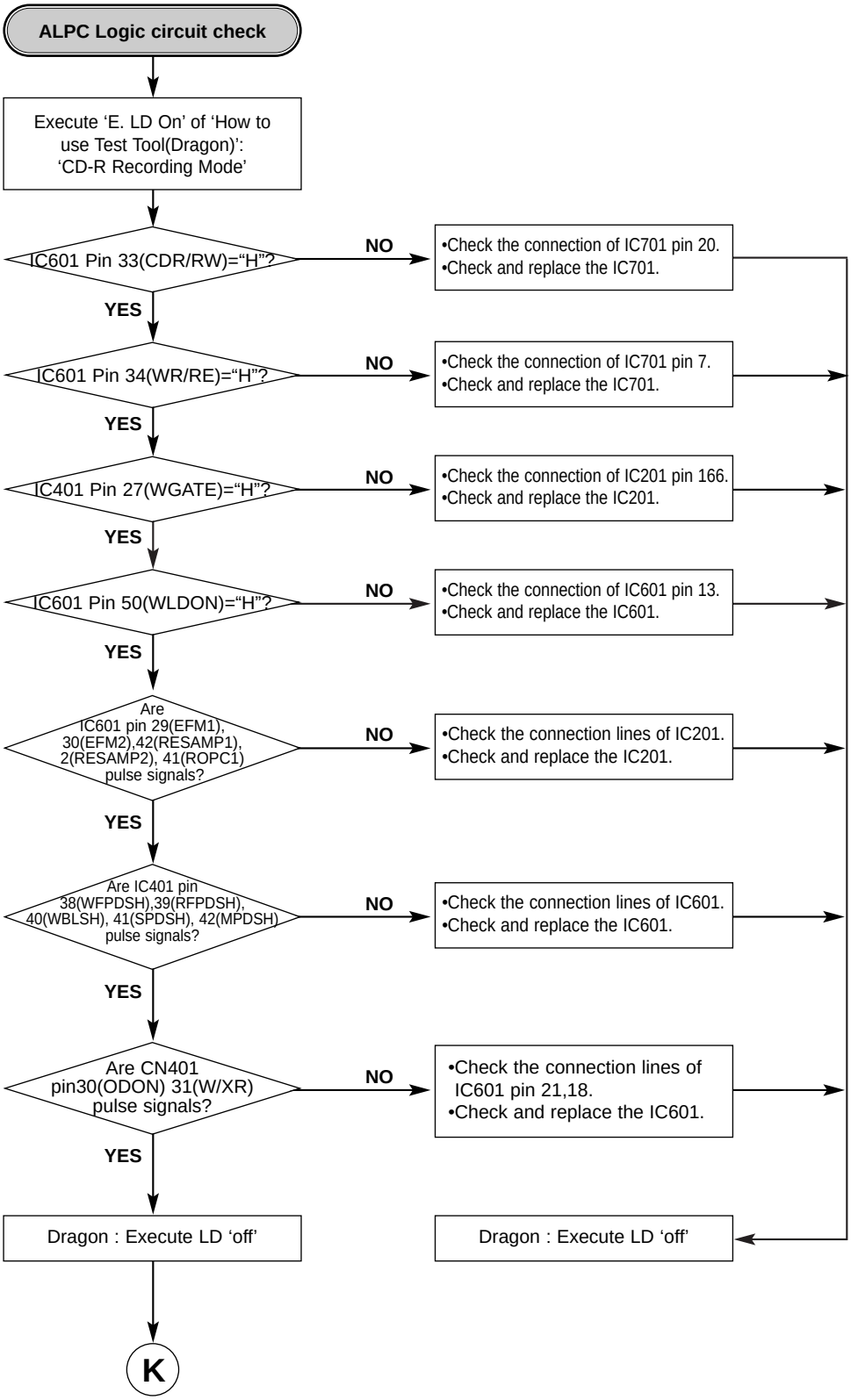


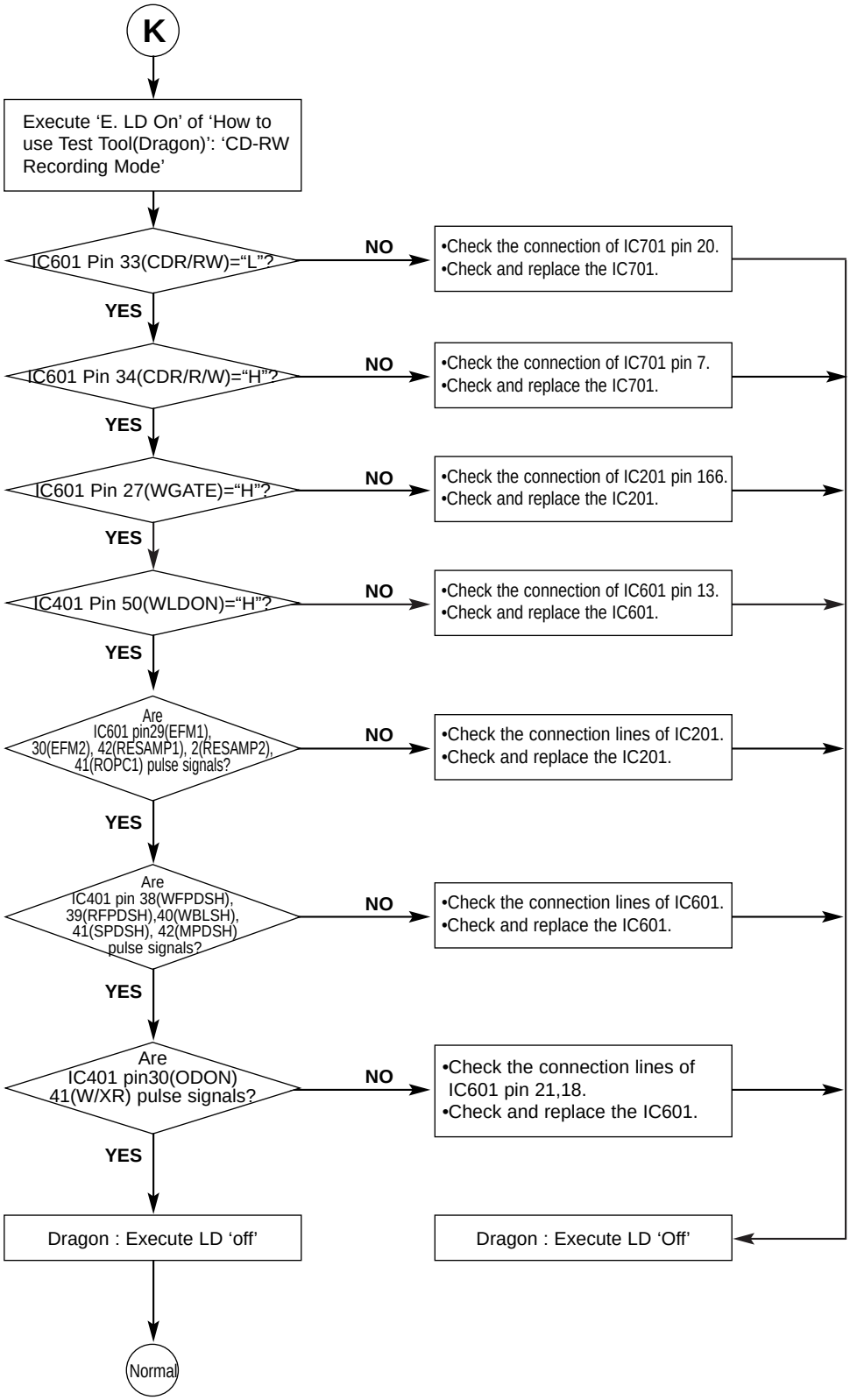

G
Execute ‘E.LD On’ of ‘How to use Test Tool(Dragon) : ‘VWDC-2’
YES
CN401 Pin 30(ODON)=H?
NO
•Check the connection of IC601 pin 21 and 30.
•Check and replace the IC601(CPLD).
YES
CN401 Pin 31(W/XR)=H?
NO
•Check the connection of IC601 pin 18 and 34.
•Check and replace the IC601(CPLD).
YES
CN401 Pin26(VWDC2): 3.4±0.4V (2.5±0.4V)?
NO
•Check the connection of IC409 pin 19.
•Check and replace the IC409(DAC)
YES
Check the P/U connector and replace the P/U.

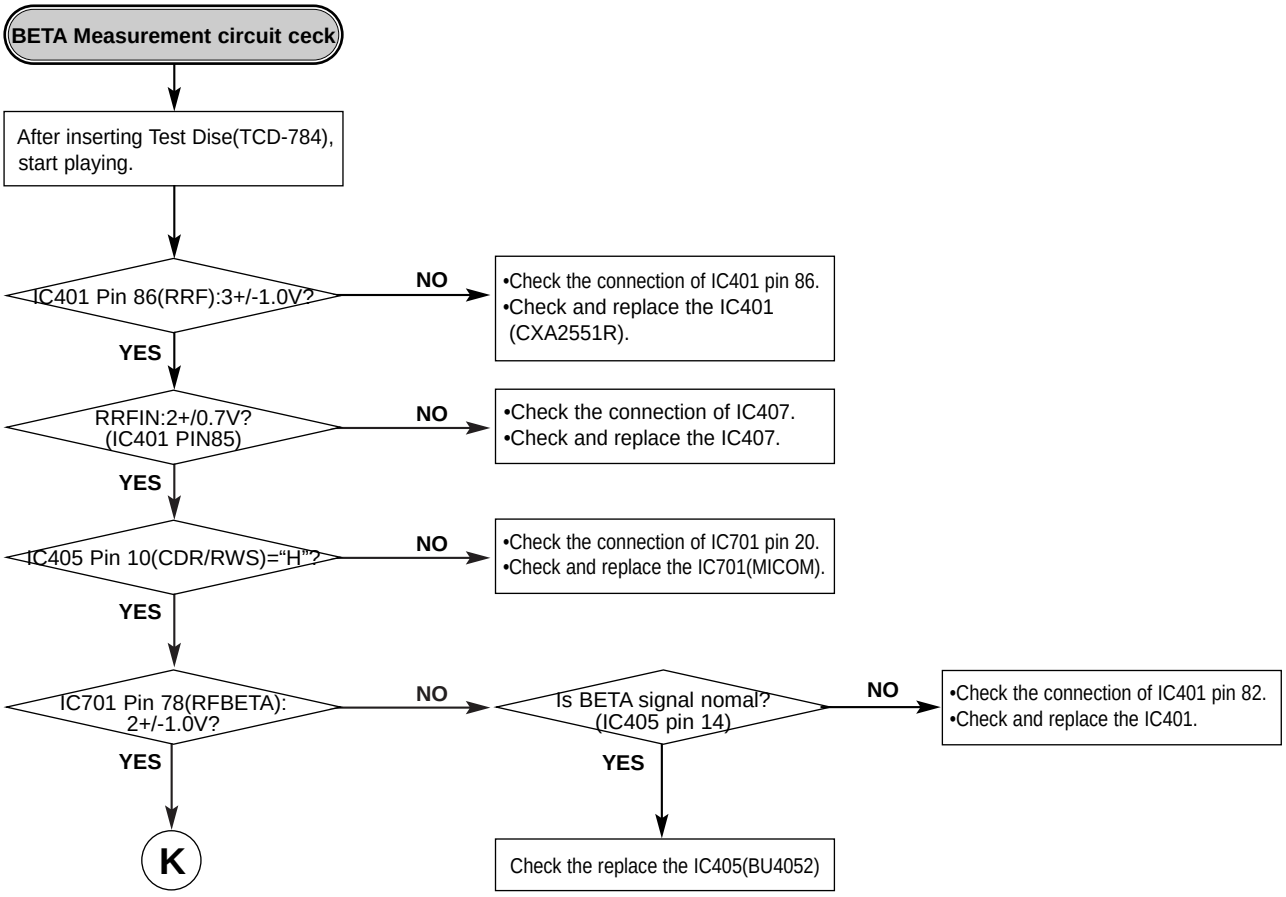
In case of writing fail.




Writing Part Check.
Refer “Laser is abnormal”.
Load tray with CD-R/RW Disc.
Start Recording or dubbing.
Does the unit becomes stand-by mode to record/dubbing?
NO
YES
•Check the communication lines between IC701 and IC201.
•Check and replace the 701.
Dose Writing finish without any error?
NO
YES
Is the written file read nomally?
NO
Eject Tray.
YES
Go to “ALPC Logic Circuit Check”.
Is the re-written file readed nomally?
YES
NO
Check the connection of IC201 pin 187 and replace IC201.
Is ROPCSH input signal Pulse when CD-R writing (IC401 pin 43)
YES
OK
Go to “BETA Measurement Circuit Check”.


ALPC Logic circuit check
Execute 'E. LD On' of 'How to use Test Tool(Dragon)': 'CD-R Recording Mode'
IC601 Pin 33(CDR/RW)="H"?
NO
•Check the connection of IC701 pin 20.
•Check and replace the IC701.
YES
IC601 Pin 34(WR/RE)="H"?
NO
•Check the connection of IC701 pin 7.
•Check and replace the IC701.
YES
IC401 Pin 27(WGATE)="H"?
NO
•Check the connection of IC201 pin 166.
•Check and replace the IC201.
YES
IC601 Pin 50(WLDON)="H"?
NO
•Check the connection of IC601 pin 13.
•Check and replace the IC601.
YES
Are IC601 pin 29(EFM1), 30(EFM2),42(RESAMP1), 2(RESAMP2), 41(ROPC1) pulse signals?
NO
•Check the connection lines of IC201.
•Check and replace the IC201.
YES
Are IC401 pin 38(WFPDSH),39(RFPDSH), 40(WBLSH), 41(SPDSH), 42(MPDSH) pulse signals?
NO
•Check the connection lines of IC601.
•Check and replace the IC601.
YES
Are CN401 pin30(ODON) 31(W/XR) pulse signals?
NO
•Check the connection lines of IC601 pin 21,18.
•Check and replace the IC601.
YES
Dragon : Execute LD 'off'
Dragon : Execute LD 'off'
K

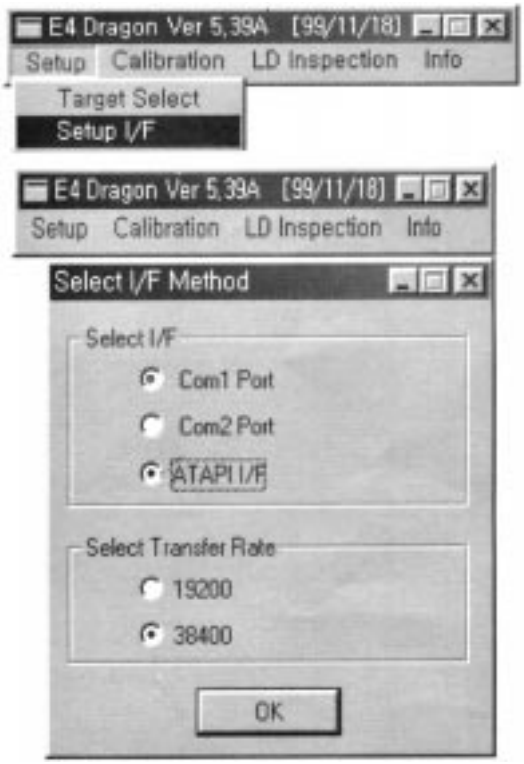

K
Execute ‘E. LD On’ of ‘How to use Test Tool(Dragon)’: ‘CD-RW Recording Mode’
IC601 Pin 33(CDR/RW)=“L”?
NO
•Check the connection of IC701 pin 20.
•Check and replace the IC701.
YES
IC601 Pin 34(CDR/R/W)=“H”?
NO
•Check the connection of IC701 pin 7.
•Check and replace the IC701.
YES
IC601 Pin 27(WGATE)=“H”?
NO
•Check the connection of IC201 pin 166.
•Check and replace the IC201.
YES
IC401 Pin 50(WLDON)=“H”?
NO
•Check the connection of IC601 pin 13.
•Check and replace the IC601.
YES
Are IC601 pin29(EFM1), 30(EFM2), 42(RESAMP1), 2(RESAMP2), 41(ROPC1) pulse signals?
NO
•Check the connection lines of IC201.
•Check and replace the IC201.
YES
Are IC401 pin 38(WFPDSH), 39(RFPDSH),40(WBLSH), 41(SPDSH), 42(MPDSH) pulse signals?
NO
•Check the connection lines of IC601.
•Check and replace the IC601.
YES
Are IC401 pin30(ODON) 41(W/XR) pulse signals?
NO
•Check the connection lines of IC601 pin 21,18.
•Check and replace the IC601.
YES
Dragon : Execute LD ‘off’
Dragon : Execute LD ‘Off’
Normal


BETA Measurement circuit ceck
After inserting Test Dise(TCD-784), start playing.
IC401 Pin 86(RRF):3+/-1.0V?
NO
•Check the connection of IC401 pin 86.
•Check and replace the IC401 (CXA2551R).
YES
RRFIN:2+/0.7V? (IC401 PIN85)
NO
•Check the connection of IC407.
•Check and replace the IC407.
YES
IC405 Pin 10(CDR/RWS)="H"?
NO
•Check the connection of IC701 pin 20.
•Check and replace the IC701(MICOM).
YES
IC701 Pin 78(RFBETA): 2+/-1.0V?
NO
Is BETA signal nomal? (IC405 pin 14)
NO
•Check the connection of IC401 pin 82.
•Check and replace the IC401.
YES
YES
K
Check the replace the IC405(BU4052)

• How to use Test Tool (Dragon)

A. Start

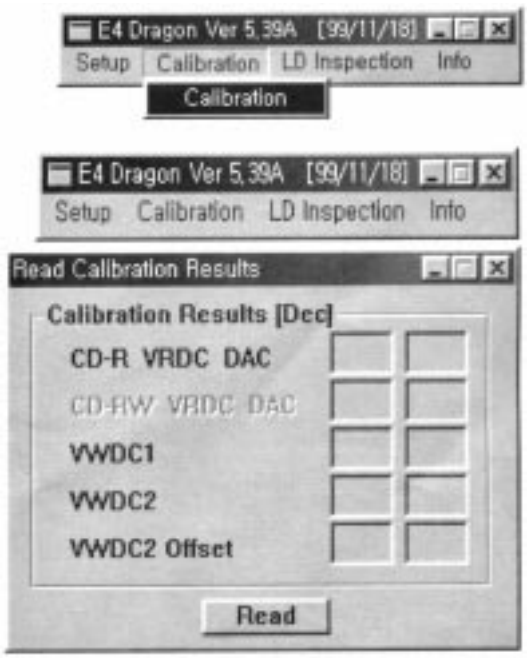
1. Connect the dragon Jig between CDR 20 and PC.
2. Execute **Dragon.exe** on Windows (Dragon.exe & dragon.cfg should be on same Directory).
3. If you use “E4 Dragon Ver xxx(E5 Dragon Ver xxx)” will be displayed on the Window.
4. Select **Setup/Setup I/F** on the menu bar.
5. Select **ATAPI I/F** and then Click **OK**(**Don’t** “Select Transfer Rate”)
6. Select **Setup/Target Select** on the menu bar.
7. Select **Number of Host(#0 or #1) appropriately, then display on “Target Device”**
8. Select on Target Device, and then Click **OK**.



[I/F Setting window]

B. Check Calibration Data

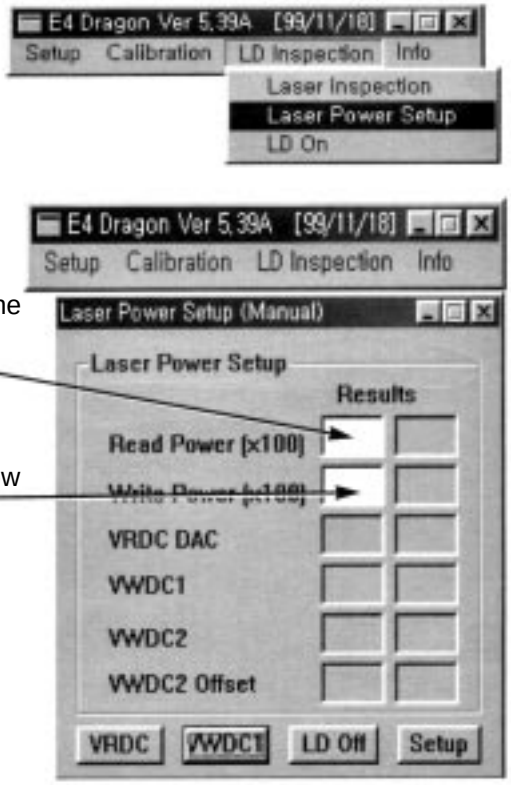
1. Select **Calibration/Calibration** on the menu bar.
2. Click **Read** on Calibration wondow. -> Calibration values display
3. **Check** Data Values.
   CD-R VRDC DAC : 30~150
   VWDC1 : 48~150
   VWDC2 : 50~120
   VWDC2 Offset : 0~35
4. **Close** Calibration window.



[Calibration window]

C. LD Power Setup (VWDC1/VWDC2 re-setup)

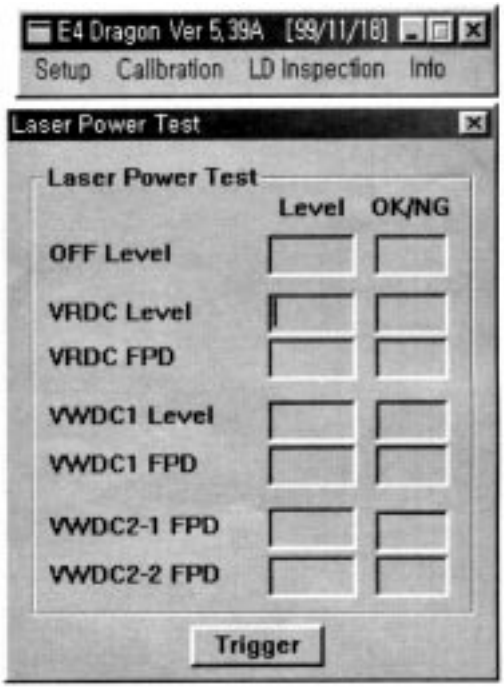
1. **Remove** disc on the tray.
2. Select **LD Inspection/Laser Power Setup** on the meun bar, and then **Laser Power Setup** window will appear in sight.
3. Setup LD Power meter (Frequency : 780nm, Measure Range : 0.01mW unit).
4. Click **VRDC** button on the **LD Power Setup** window. Pick -up will move outside and Laser beam will be emitted from LD.
5. Measure LD Power with LD Powermeter, -> **Type** the result on the blank.
   (If you don't have LD Powermeter,
   Type the P/U value **without** '.' Down to two places of decimals.
   ex) 11.34mW -> 1134
6. Click **VWRDC1** button on the **LD Power Setup** window and follow above step 4~5.
7. Click Setup and Setup Result will display with **OK** or **NG.**
8. **Close** LD Power Setup window.



[LD Power Setup window]

D. LD Inspection(VRDC/VWDC/FPD Level Check)

1. **Remove** disc on the Tray.
2. Select **LD Inspestion/Laser Inspection** on the menu bar, and then **Laser Power Test** Window will appear.
3. Click **Trigger** button and the result will display with OK or NG.
4. Close **Laser Power Test** window.



[LD Power Test window]

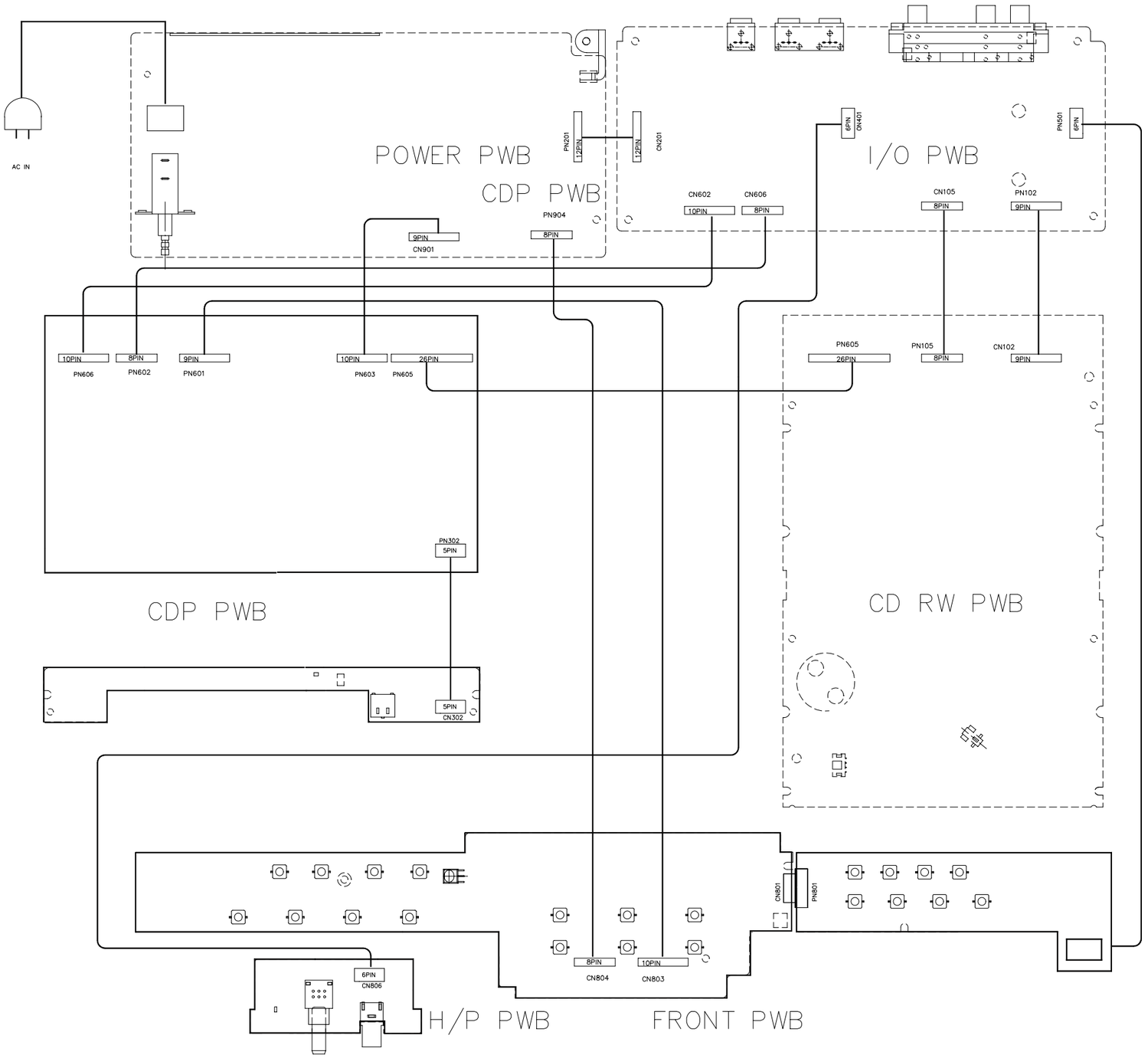
E.LD ON

1. **Remove** disc on the Tray.
2. Select **LD Inspection/LD ON** on the menu bar, and then **Laser ON** window will appear.
3. Select **LD ON Mode** and Click **On** button, then **LD On**.
4. Execute Test (Measure LD Power).
5. Click **off** button, then **LD off**.
6. Close **Laser On** window.

* Speed setting is valid **"CD-R Recording Mode" & "CD-RW Recording Mode".**
  Continous Laser beam is emitted in the "VRDC Loop Mode", "VWDC Loop Mode" and "VWDC-2 Mode", and Pulse_Type Laser output is emitted in the "CD-R Recording Mode" and "CD-RW Recording Mode".

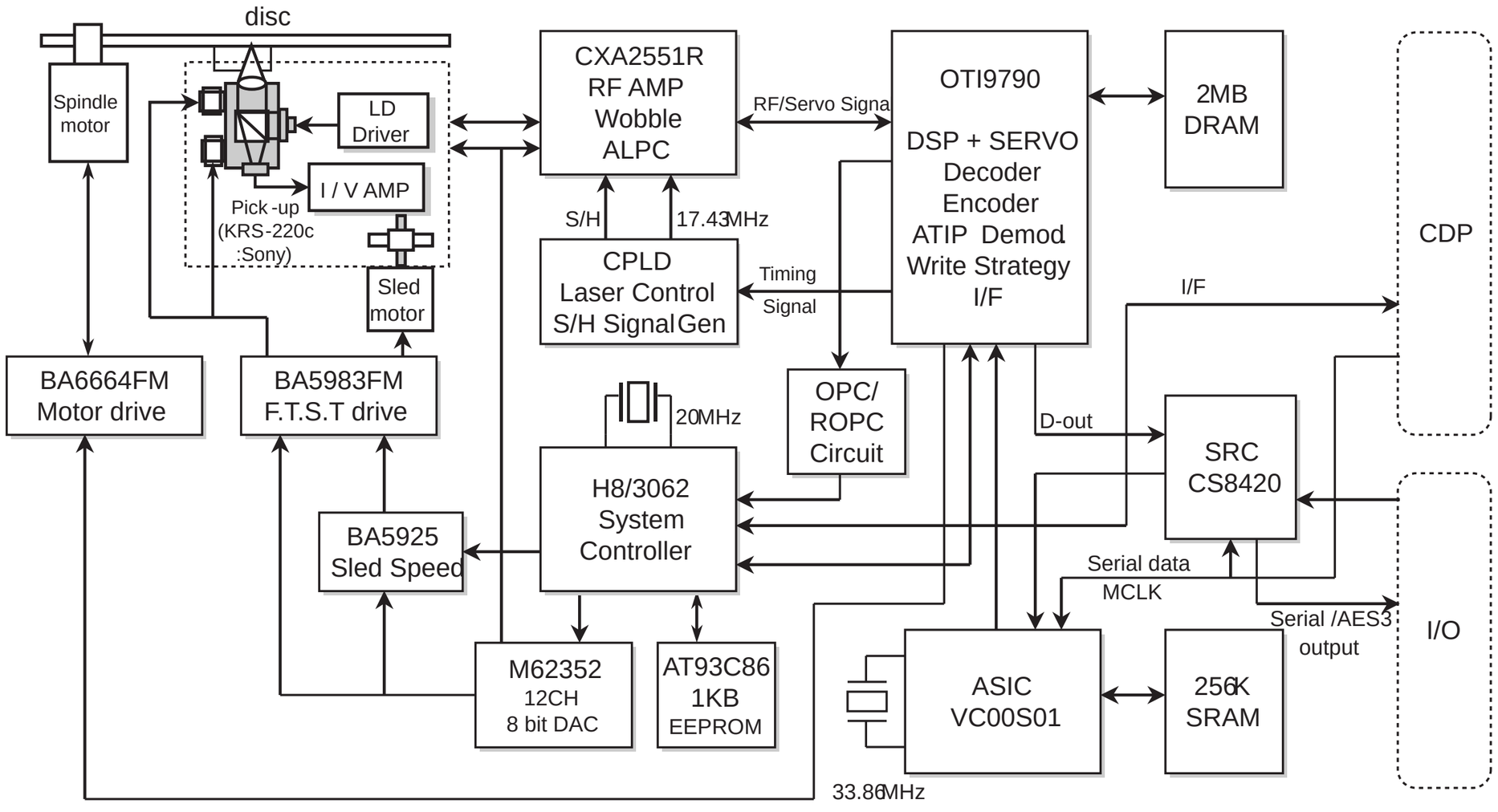
[LD On window]

WIRING DIAGRAM

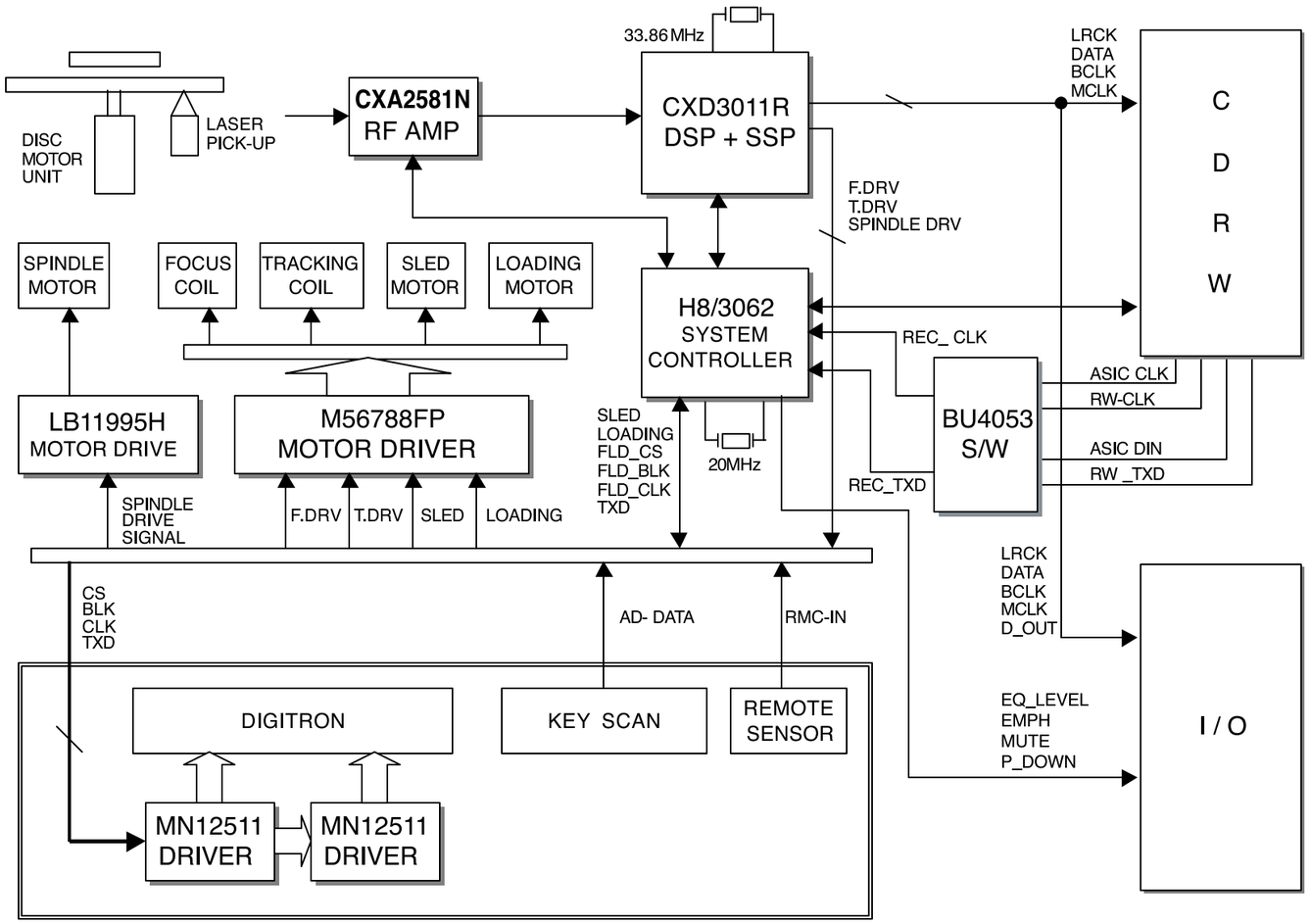


BLOCK DIAGRAM

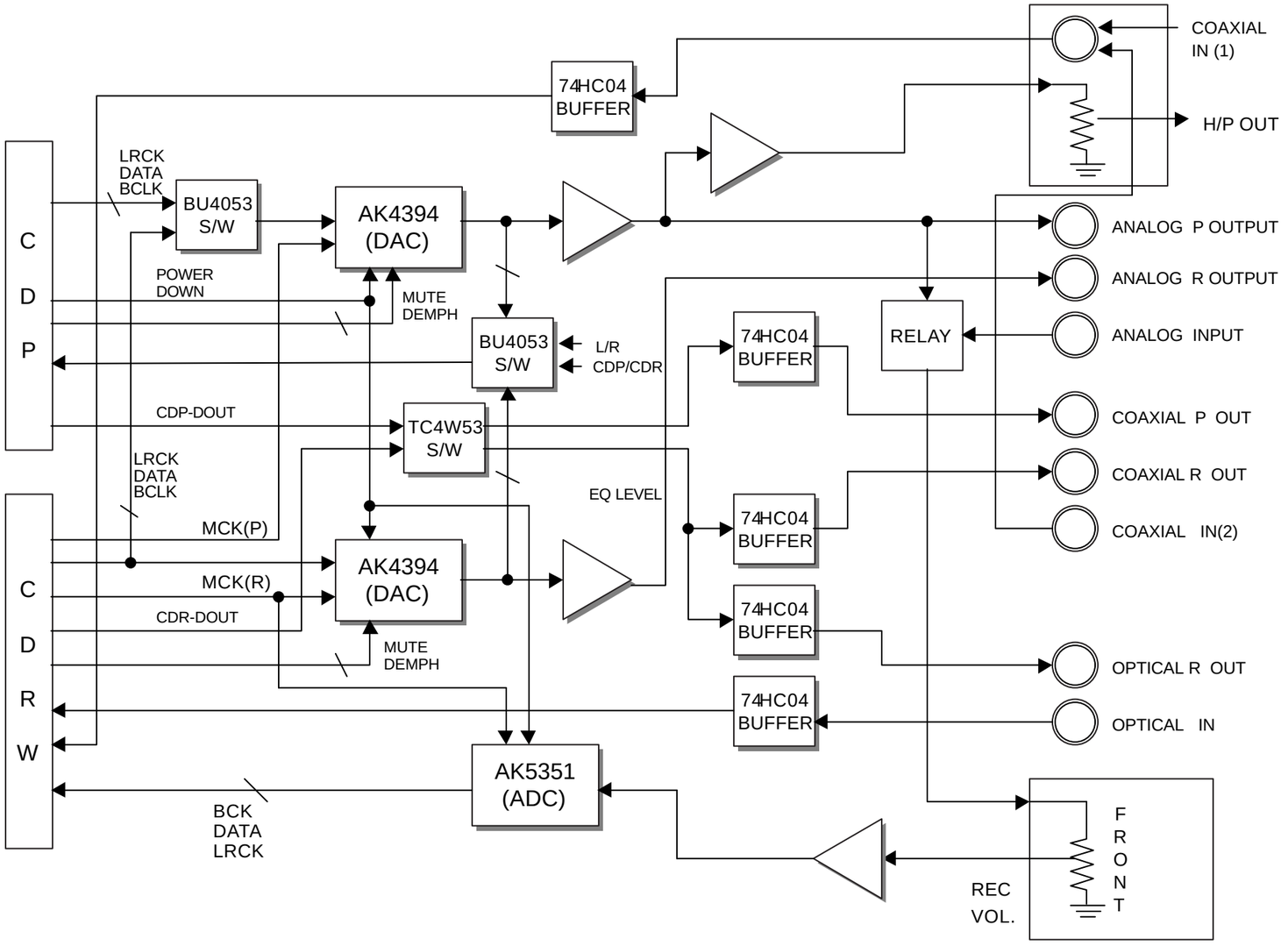
• CD RECORD SECTION



• CD PLAY SECTION

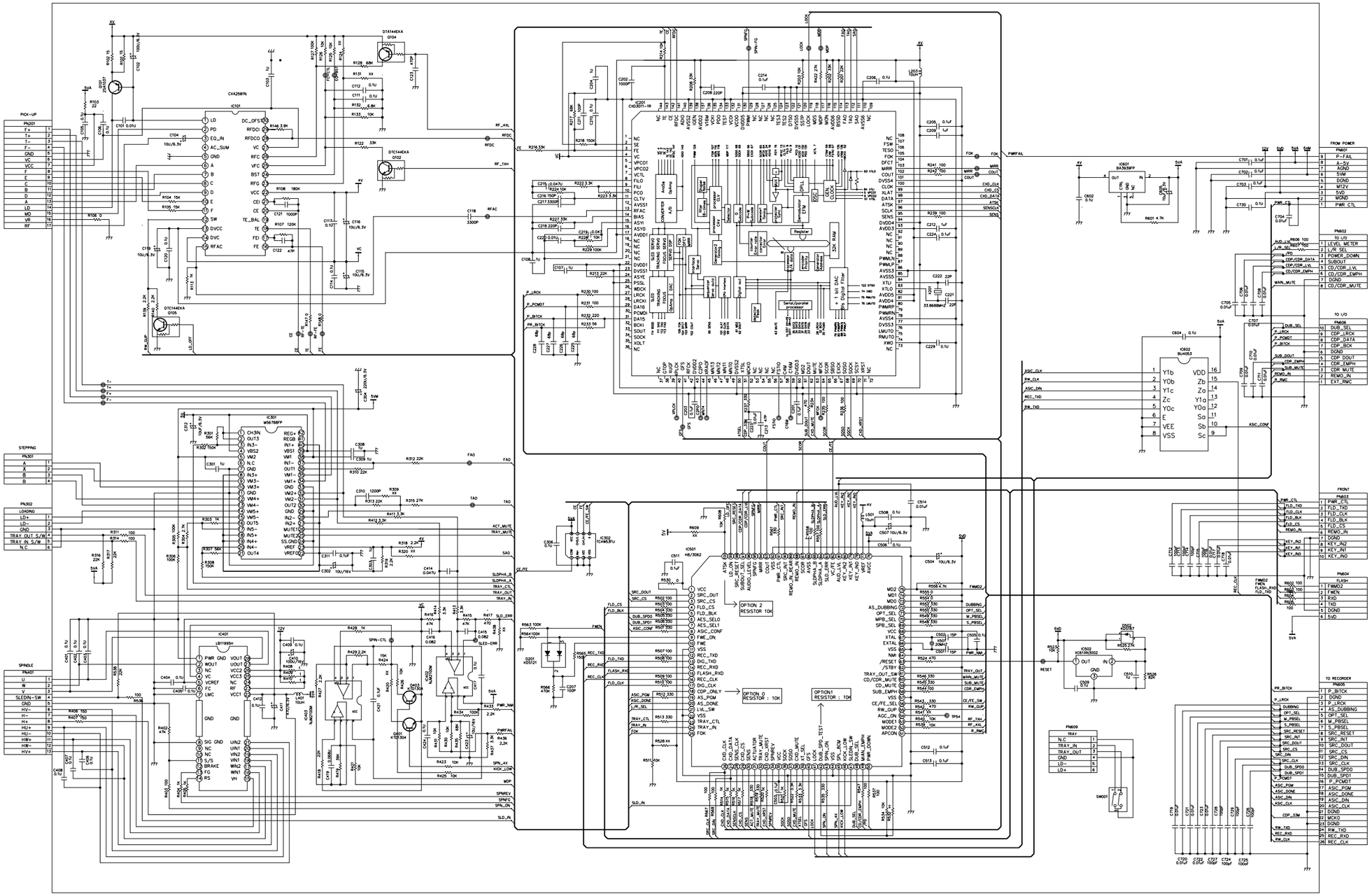


• IO SECTION


C
D
P
LRCK
DATA
BCLK
BU4053
S/W
POWER
DOWN
MUTE
DEMPH
AK4394
(DAC)
74HC04
BUFFER
COAXIAL
IN (1)
H/P OUT
ANALOG P OUTPUT
ANALOG R OUTPUT
ANALOG INPUT
RELAY
BU4053
S/W
L/R
CDP/CDR
74HC04
BUFFER
CDP-DOUT
TC4W53
S/W
LRCK
DATA
BCLK
EQ LEVEL
COAXIAL P OUT
COAXIAL R OUT
COAXIAL IN(2)
MCK(P)
C
D
R
W
MCK(R)
CDR-DOUT
AK4394
(DAC)
MUTE
DEMPH
74HC04
BUFFER
74HC04
BUFFER
OPTICAL R OUT
74HC04
BUFFER
OPTICAL IN
AK5351
(ADC)
BCK
DATA
LRCK
REC
VOL.
F
R
O
N
T

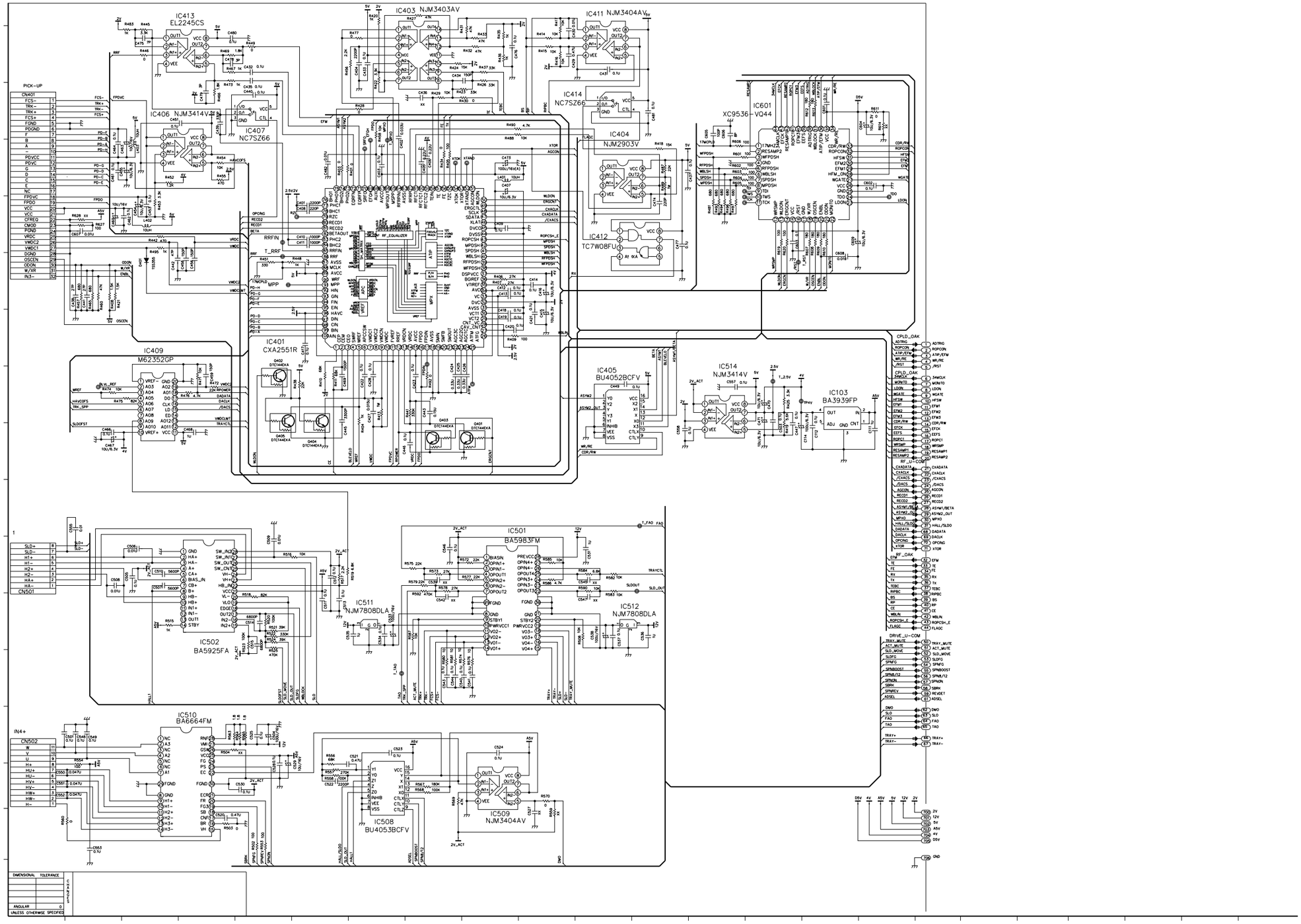
SCHEMATIC DIAGRAMS

• CD-PLAY SECTION

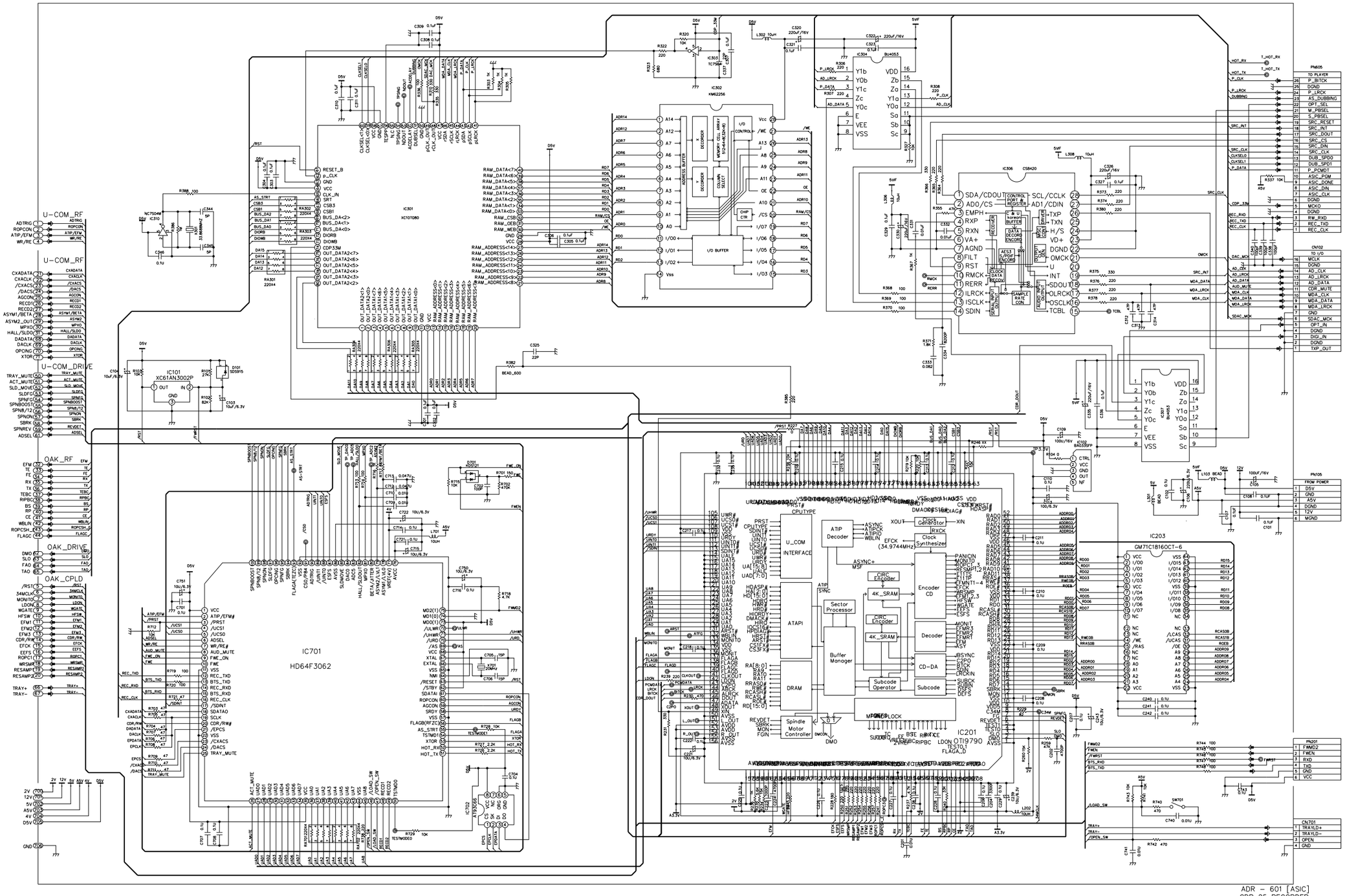


ADR – 601
CDR 2.5 CD PLAYER
SI2370(PI2690)

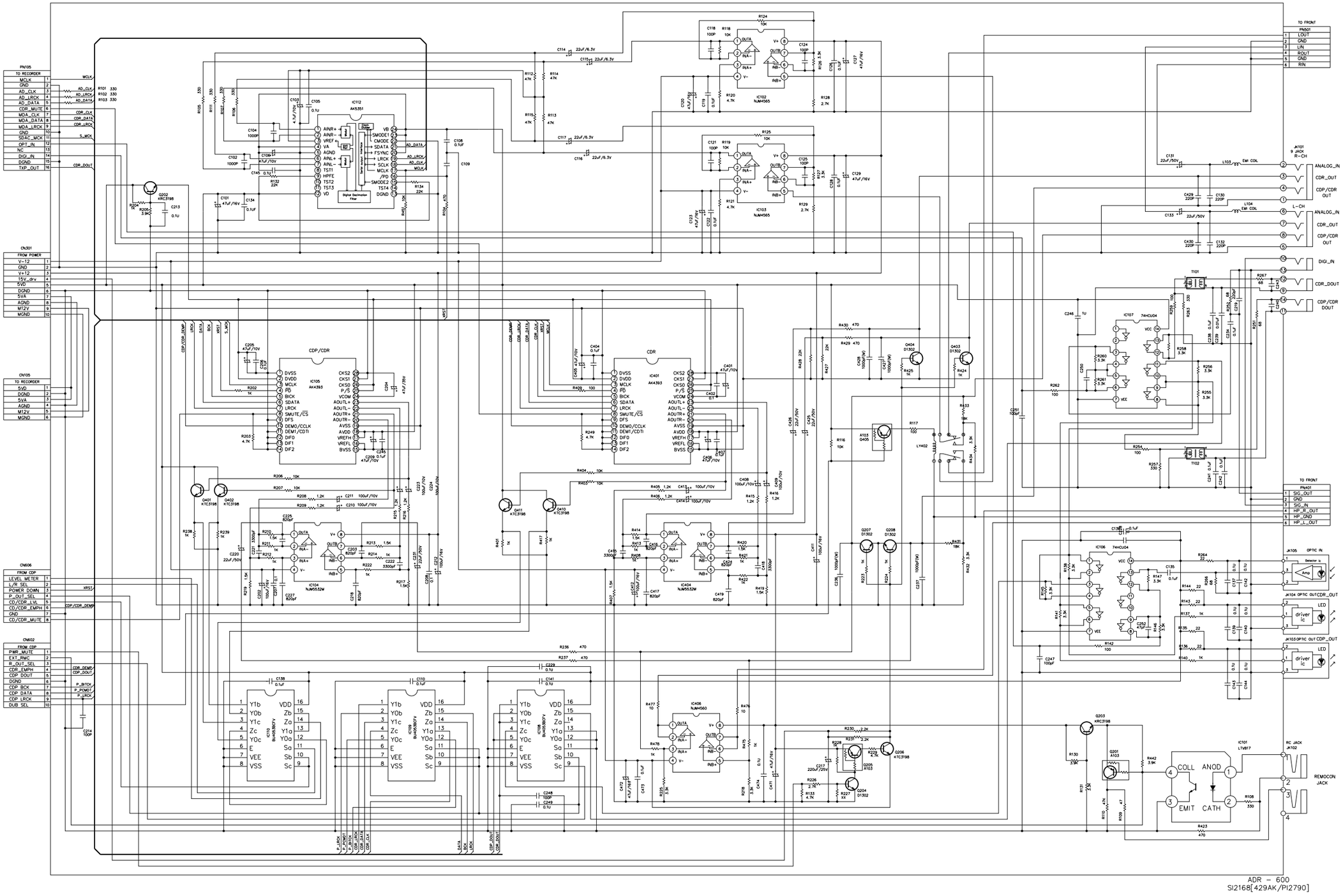
• CD-RECORD SECTION-1



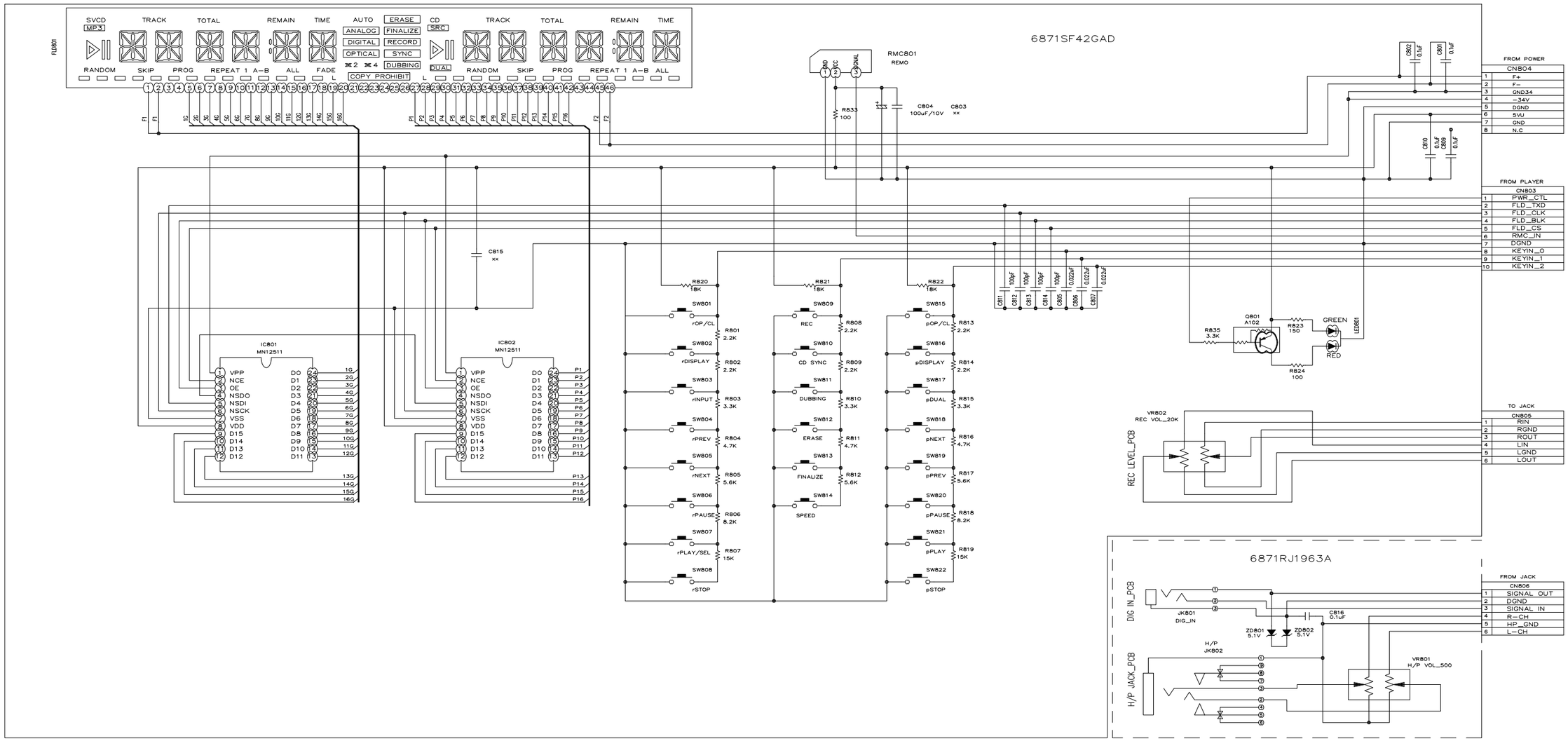
• CD-RECORD SECTION-2



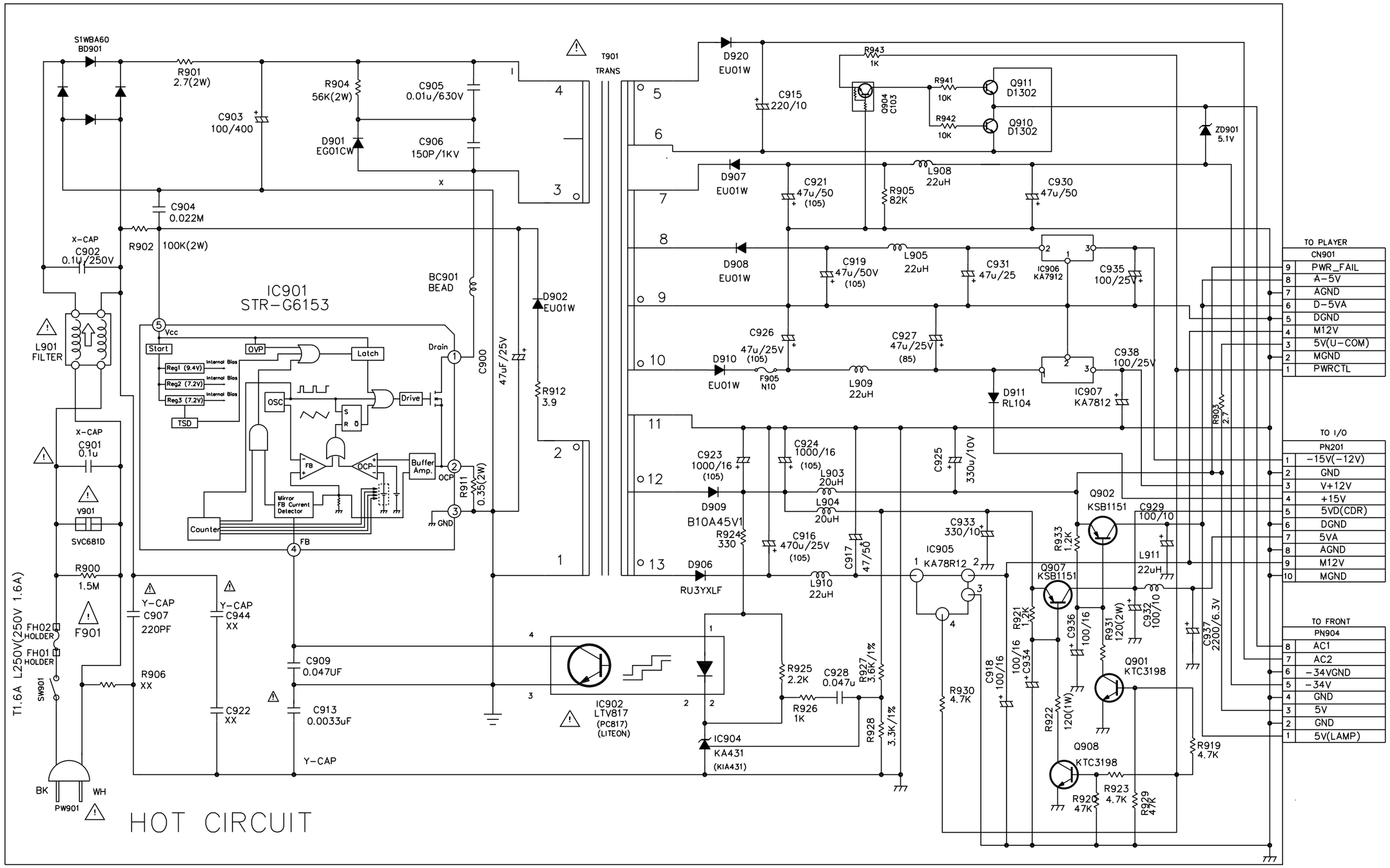
• AUDIO-SECTION



• FRONT SECTION



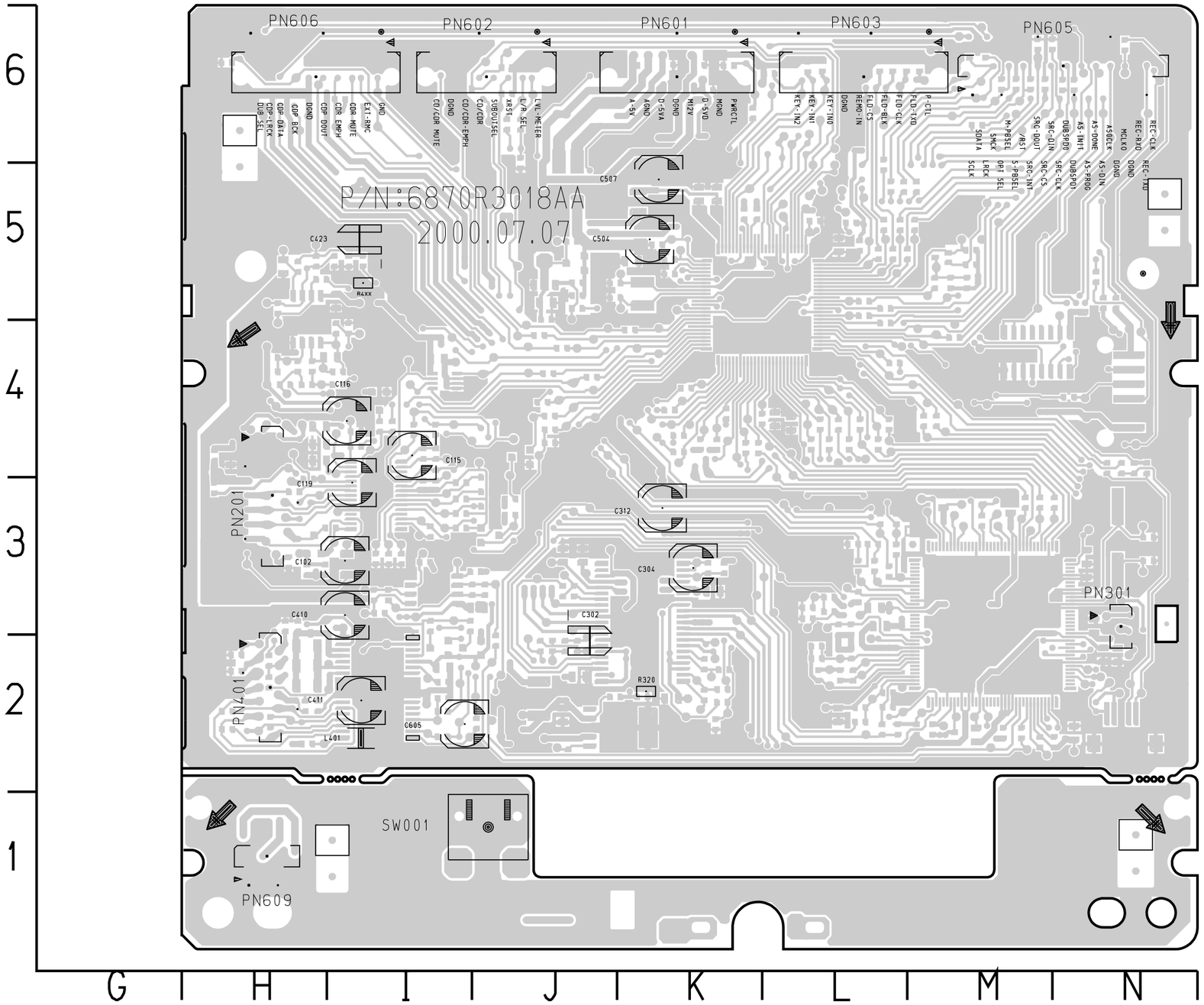
• POWER SECTION



D'SCHEMATIC POWER
ADR-601(europe)
SI2487

PCB LAYOUT

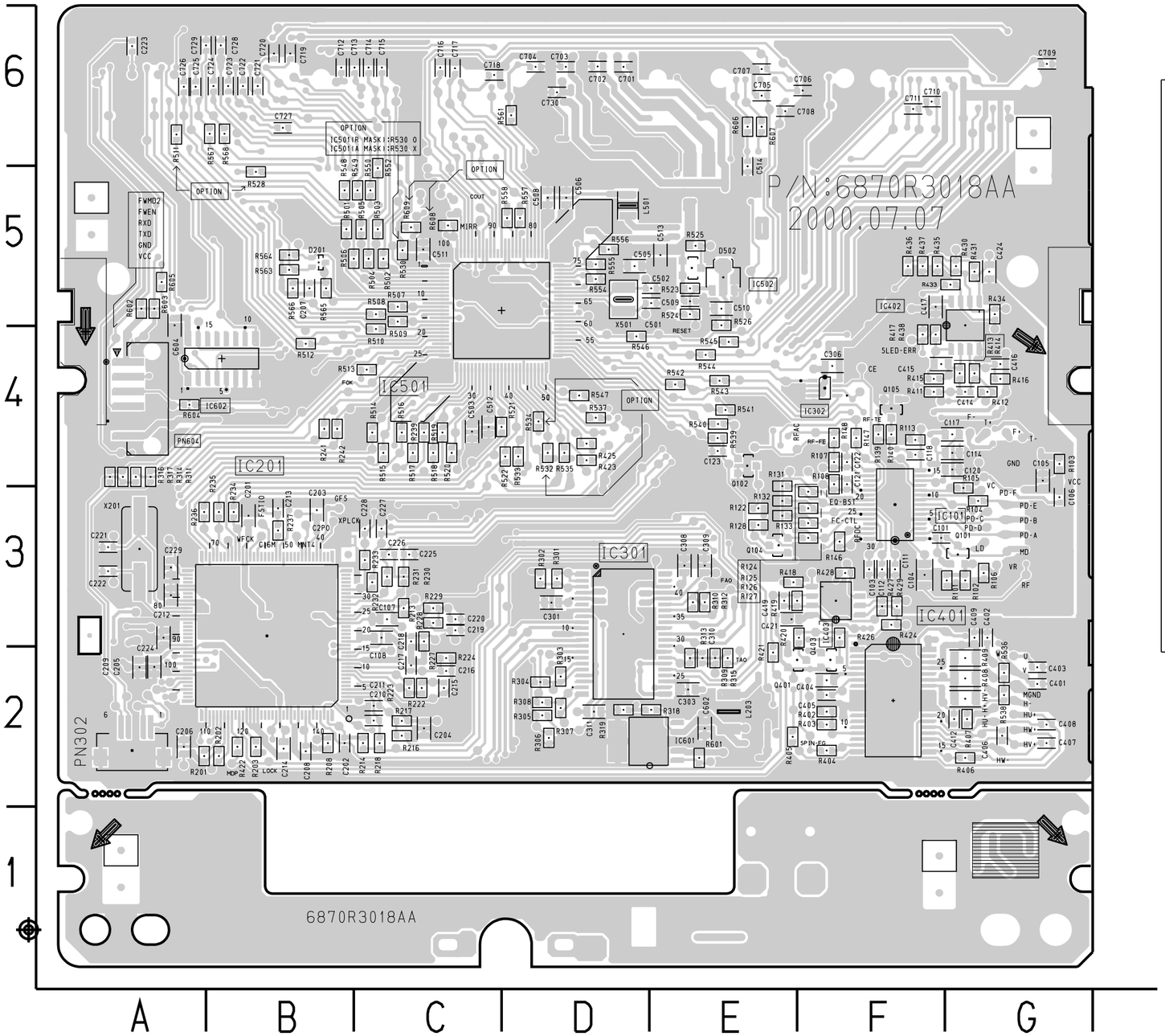
• CD-PLAY TOP SECTION



LOCATION GUIDE

C102	I3
C115	I4
C116	I4
C119	I3
C302	J2
C304	K3
C312	K3
C410	I3
C411	I2
C423	I5
C504	K5
C507	K5
C605	I2
L401	I2
PN201	H3
PN301	N3
PN401	H2
PN601	K6
PN602	J6
PN603	L6
PN605	N6
PN606	H6
PN609	H1
R320	K2
R4XX	I5
SW001	J1
TP54	N6

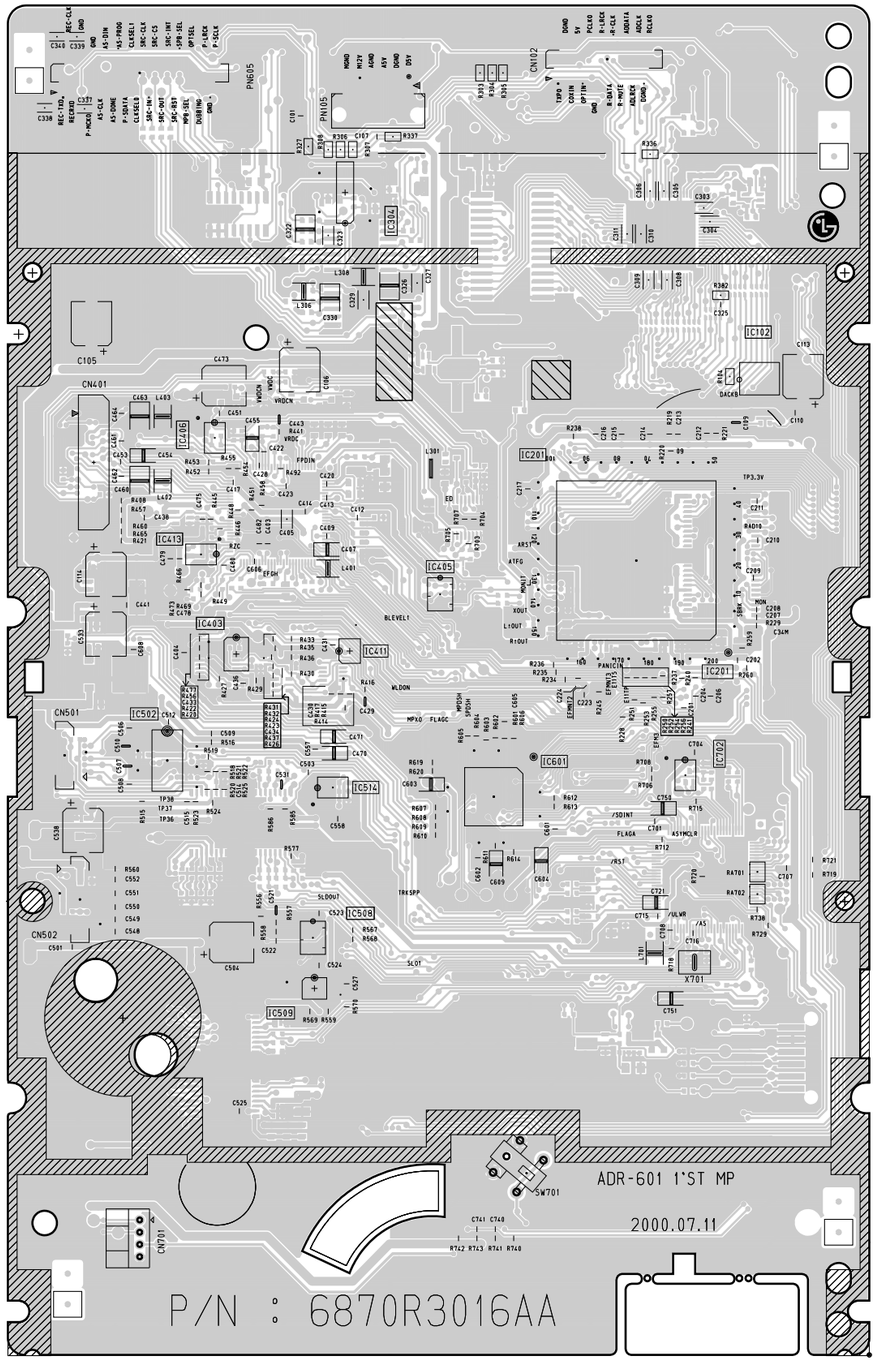
• CD-PLAY BOTTOM SECTION



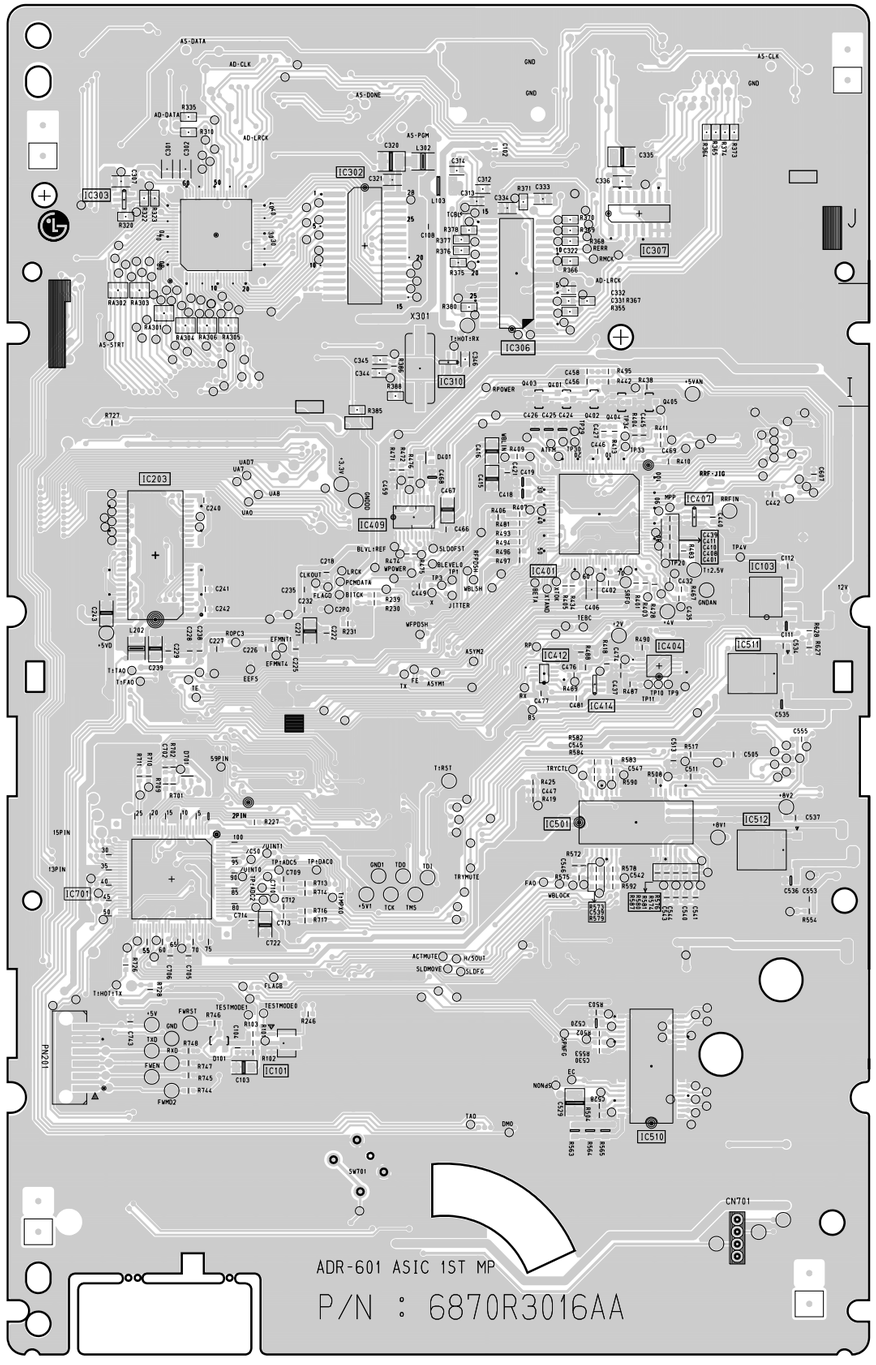
LOCATION GUIDE

C101	F3	C227	C3	C702	D6	IC301	D3	R146	F3	R315	E2	R503	C5	R549	C5
C103	F3	C228	C3	C703	D6	IC302	F4	R147	F4	R316	A4	R504	C5	R550	C5
C104	F3	C229	A3	C704	D6	IC401	F2	R148	F4	R317	A4	R505	C5	R552	C5
C105	G4	C2PO	B3	C705	E6	IC402	G4	R201	A2	R318	E2	R506	C5	R554	D5
C106	G3	C301	D3	C706	F6	IC403	F3	R202	B2	R319	D2	R507	C5	R555	D5
C107	C3	C303	E2	C707	E6	IC501	D5	R203	B2	R402	F2	R508	C5	R556	D5
C108	C3	C306	F4	C708	E6	IC502	E5	R208	B2	R403	F2	R509	C5	R557	D5
C111	F3	C308	E3	C709	G6	IC601	E2	R213	C3	R404	F2	R510	C4	R558	D5
C112	F3	C309	E3	C710	F6	IC602	B4	R214	C2	R405	E2	R511	A6	R561	D6
C114	G4	C310	E2	C711	F6	L203	E2	R216	C2	R406	G2	R512	B4	R563	B5
C117	G4	C311	D2	C712	B6	L501	D5	R217	C2	R407	G2	R513	C4	R564	B5
C118	F4	C401	G2	C713	C6	LOCK	B2	R218	C2	R408	G2	R514	C4	R565	B5
C120	G4	C402	G3	C714	C6	MDP	B2	R222	C2	R409	G2	R515	C4	R566	B5
C121	F4	C403	G2	C715	C6	MIRR	C5	R223	C2	R410	G2	R516	C4	R567	B6
C122	F4	C404	F2	C716	C6	MNT4	B3	R224	C2	R411	F4	R517	C4	R568	B6
C123	E4	C405	F2	C717	C6	PN302	A2	R227	C3	R412	G4	R518	C4	R601	E2
C16M	B3	C406	G2	C718	C6	PN604	A4	R228	C3	R413	G4	R519	C4	R602	A5
C201	B3	C407	G2	C719	B6	Q101	G3	R229	C3	R414	G4	R520	C4	R603	A5
C202	B2	C408	G2	C720	B6	Q102	E4	R230	C3	R415	F4	R521	D4	R604	A4
C203	B3	C409	G3	C721	B6	Q104	E3	R231	C3	R416	G4	R522	D4	R605	A5
C204	C2	C412	G2	C722	B6	Q105	F4	R232	C3	R417	F4	R523	E5	R606	E6
C205	A2	C414	G4	C723	B6	Q401	F2	R233	C3	R418	E3	R524	E5	R607	E6
C206	A2	C415	F4	C724	B6	Q403	F2	R234	B3	R419	F3	R525	E5	R608	C5
C207	B5	C416	G4	C725	A6	R101	G3	R235	B3	R420	F3	R526	E4	R609	C5
C208	B2	C417	F5	C726	A6	R102	G3	R236	A3	R421	E2	R528	B5	RESET	E4
C209	A2	C419	E3	C727	B6	R103	G4	R237	B3	R422	B2	R530	C5	RF-FE	F4
C210	C2	C421	E3	C728	B6	R104	G3	R239	C4	R423	D4	R532	D4	RF-TE	F4
C211	C2	C424	G5	C729	B6	R105	G3	R241	B4	R424	F3	R533	D4	RFAC	F4
C212	A3	C501	E5	C730	D6	R106	G3	R242	B4	R425	D4	R534	D4	RFDC	F3
C213	B3	C502	E5	CE	F4	R107	F4	R301	D3	R426	F3	R535	D4	SLED-ERR	F4
C214	B2	C503	C4	COUT	C5	R108	F4	R302	D3	R427	F3	R536	G2	SPIN-CTL	F3
C215	C2	C505	D5	D201	B5	R113	F4	R303	D2	R428	F3	R537	D4	SPIN-FG	F2
C216	C2	C506	D5	D502	E5	R122	E3	R304	D2	R429	F3	R538	G2	T+	G4
C217	C2	C508	D5	EQ-BST	F3	R124	F3	R305	D2	R430	G5	R539	E4	T-	G4
C218	C3	C509	E5	F+	G4	R125	F3	R306	D2	R431	G5	R540	E4	TAO	E2
C219	C3	C510	E5	F-	G4	R126	F3	R307	D2	R433	G5	R541	E4	X201	A3
C220	C3	C511	C5	FAO	E3	R127	F3	R308	D2	R434	G5	R542	E4	X501	D5
C221	A3	C512	C4	FC-CTL	F3	R128	E3	R309	E2	R435	F5	R543	E4	XPLCK	B3
C222	A3	C513	E5	FOK	B4	R131	E3	R310	E3	R436	F5	R544	E4		
C223	A6	C514	E5	FSTIO	B3	R132	E3	R311	A4	R437	F5	R545	E4		
C224	A3	C602	E2	GFS	B3	R133	E3	R312	E3	R438	F4	R546	D4		
C225	C3	C604	A4	IC101	F3	R139	F4	R313	E2	R501	B5	R547	D4		
C226	C3	C701	D6	IC201	B3	R140	F4	R314	A4	R502	C5	R548	B5		

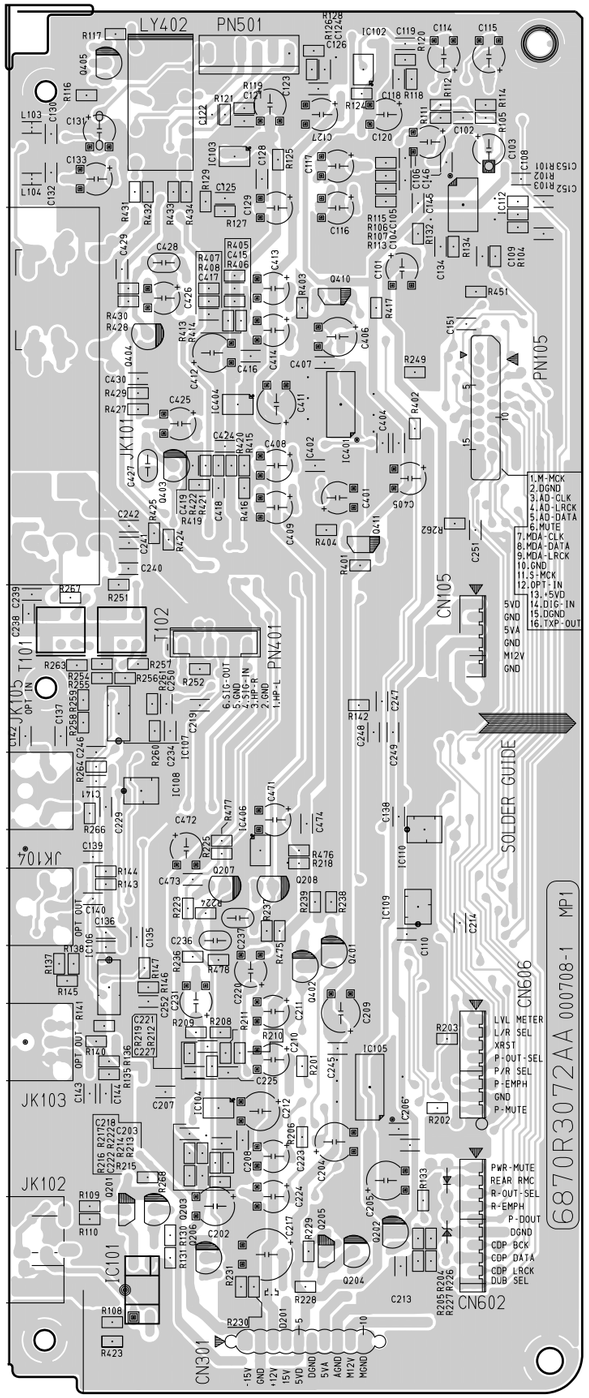
• CD-RECORD TOP SECTION



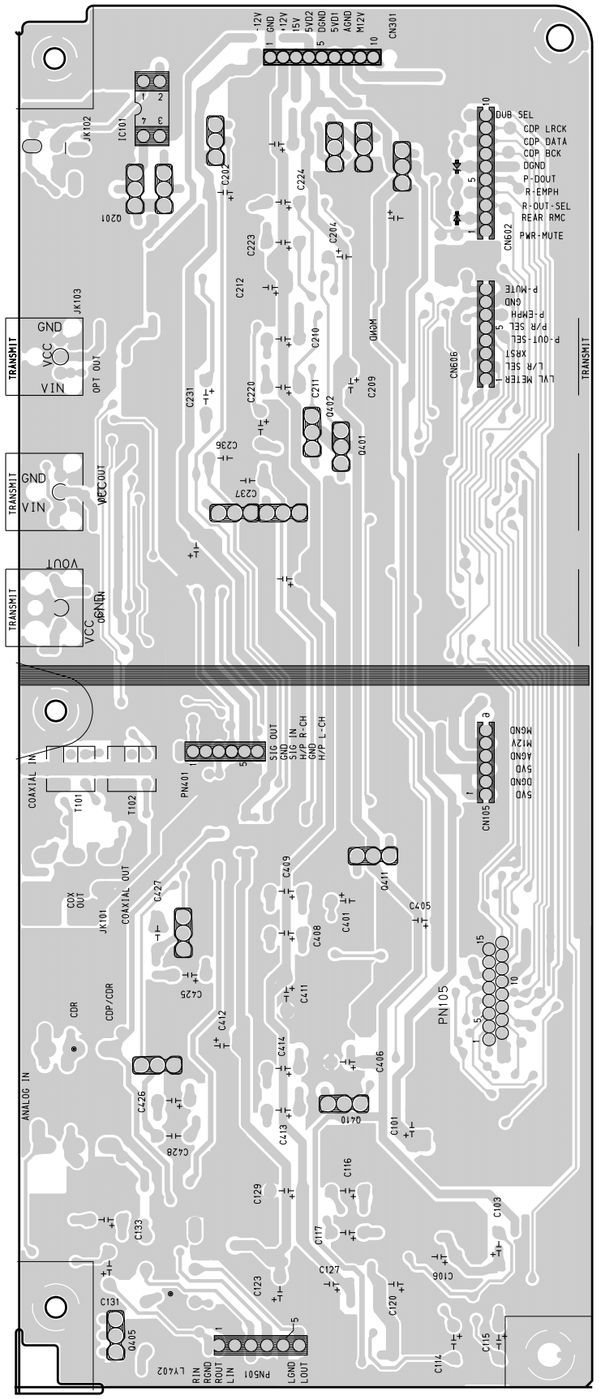
• CD-RECORD BOTTOM SECTION



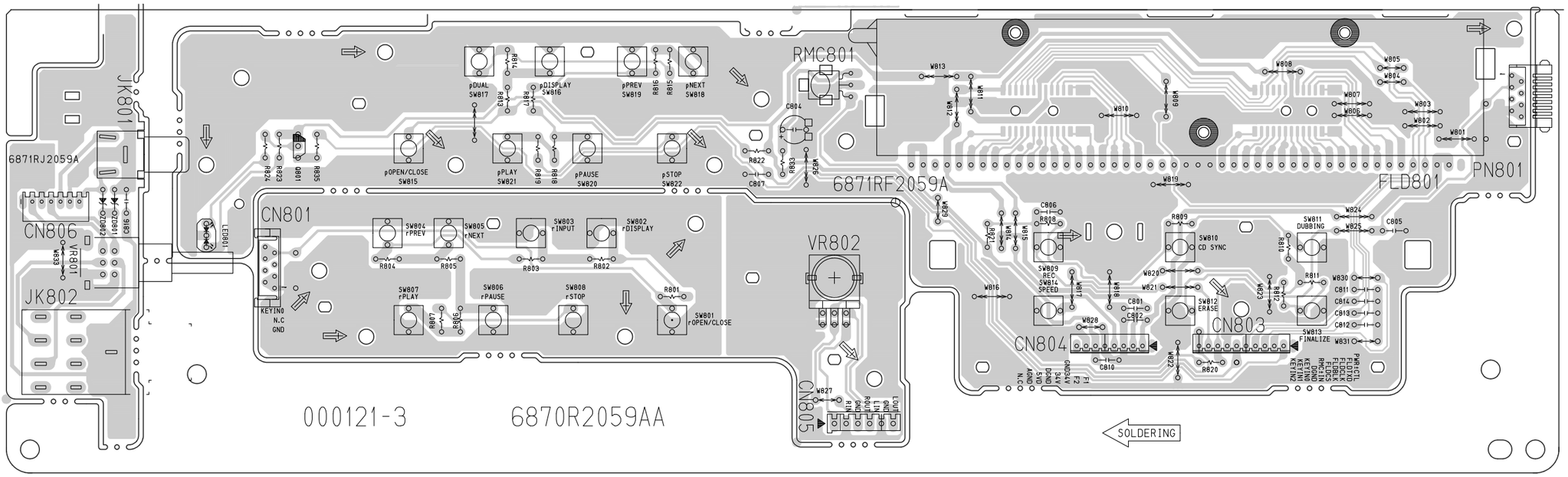
• AUDIO TOP SECTION



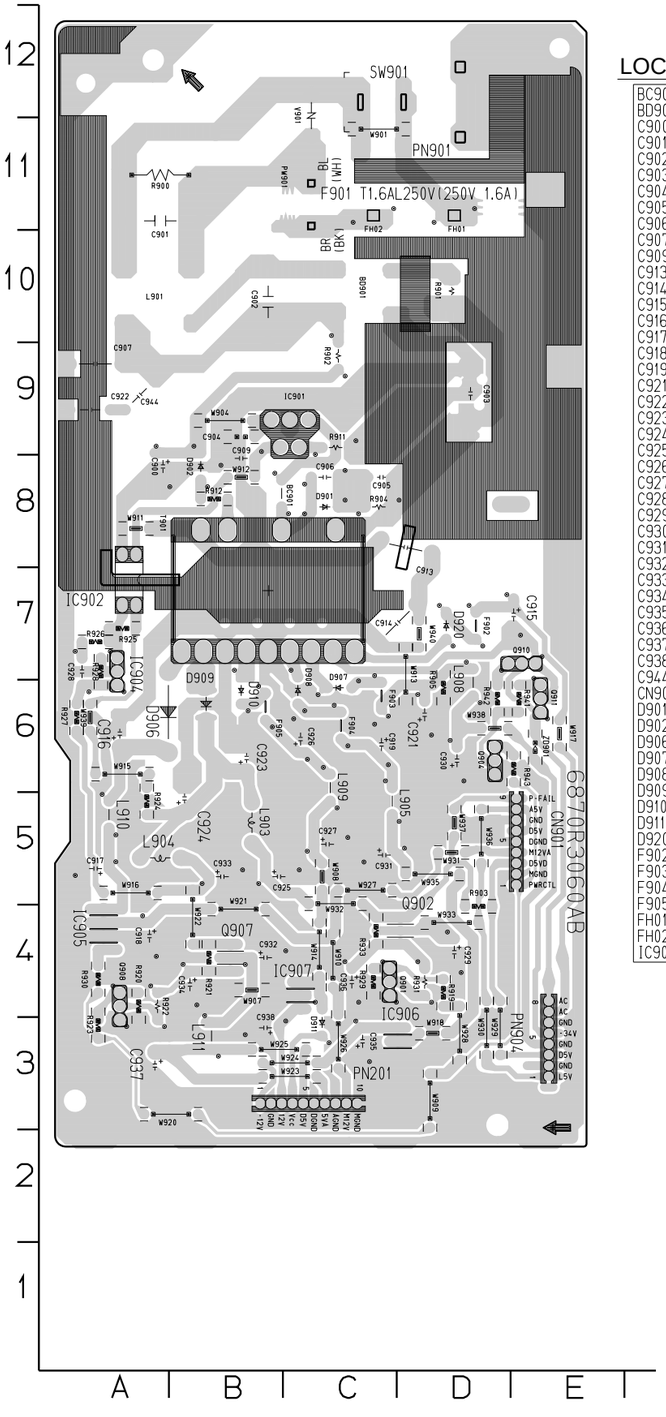
• AUDIO BOTTOM SECTION



• FRONT SECTION



• POWER SECTION

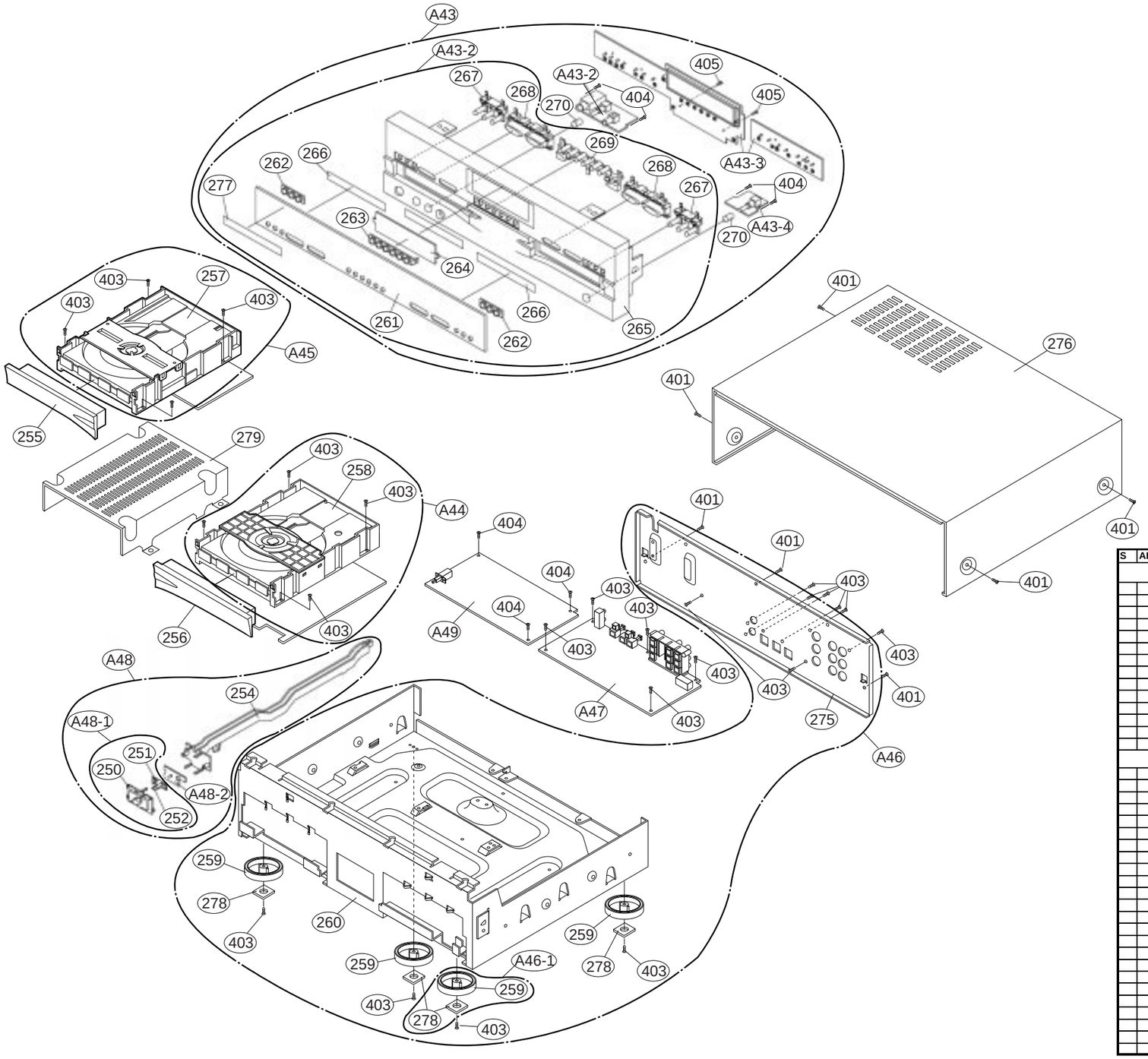


LOCATION GUIDE

BC901	B8	IC902	A7
BD901	C10	IC904	A7
C900	A8	IC905	A4
C901	A11	IC906	D3
C902	B10	IC907	C4
C903	D9	L901	A10
C904	B9	L903	B5
C905	C8	L904	A5
C906	C8	L905	C5
C907	A9	L908	D6
C909	B8	L909	C6
C913	D8	L910	A5
C914	D7	L911	B3
C915	E7	PN201	C3
C916	A6	PN901	C11
C917	A5	PN904	E4
C918	A4	PW901	C11
C919	C6	Q901	C4
C921	D6	Q902	D4
C922	A9	Q904	D6
C923	B6	Q907	B4
C924	B5	Q908	A4
C925	B5	Q910	E7
C926	C6	Q911	E6
C927	C5	R900	A11
C928	A7	R901	D10
C929	D4	R902	C9
C930	D6	R903	D4
C931	C5	R904	C8
C932	B4	R905	D6
C933	B5	R911	C9
C934	B4	R912	B8
C935	C3	R919	D4
C936	C4	R920	A4
C937	A3	R921	B4
C938	B3	R922	A4
C944	A9	R923	A3
CN901	E5	R924	A5
D901	C8	R925	A7
D902	B8	R926	A7
D906	A6	R927	A6
D907	C6	R928	A7
D908	C6	R929	C4
D909	B6	R930	A4
D910	B6	R931	D4
D911	C3	R933	C4
D920	D7	R941	E6
F902	D7	R942	D6
F903	C6	R943	E6
F904	C6	SW901	D12
F905	B6	T901	B7
FH01	D11	V901	C12
FH02	C11	ZD901	E6
IC901	C9		

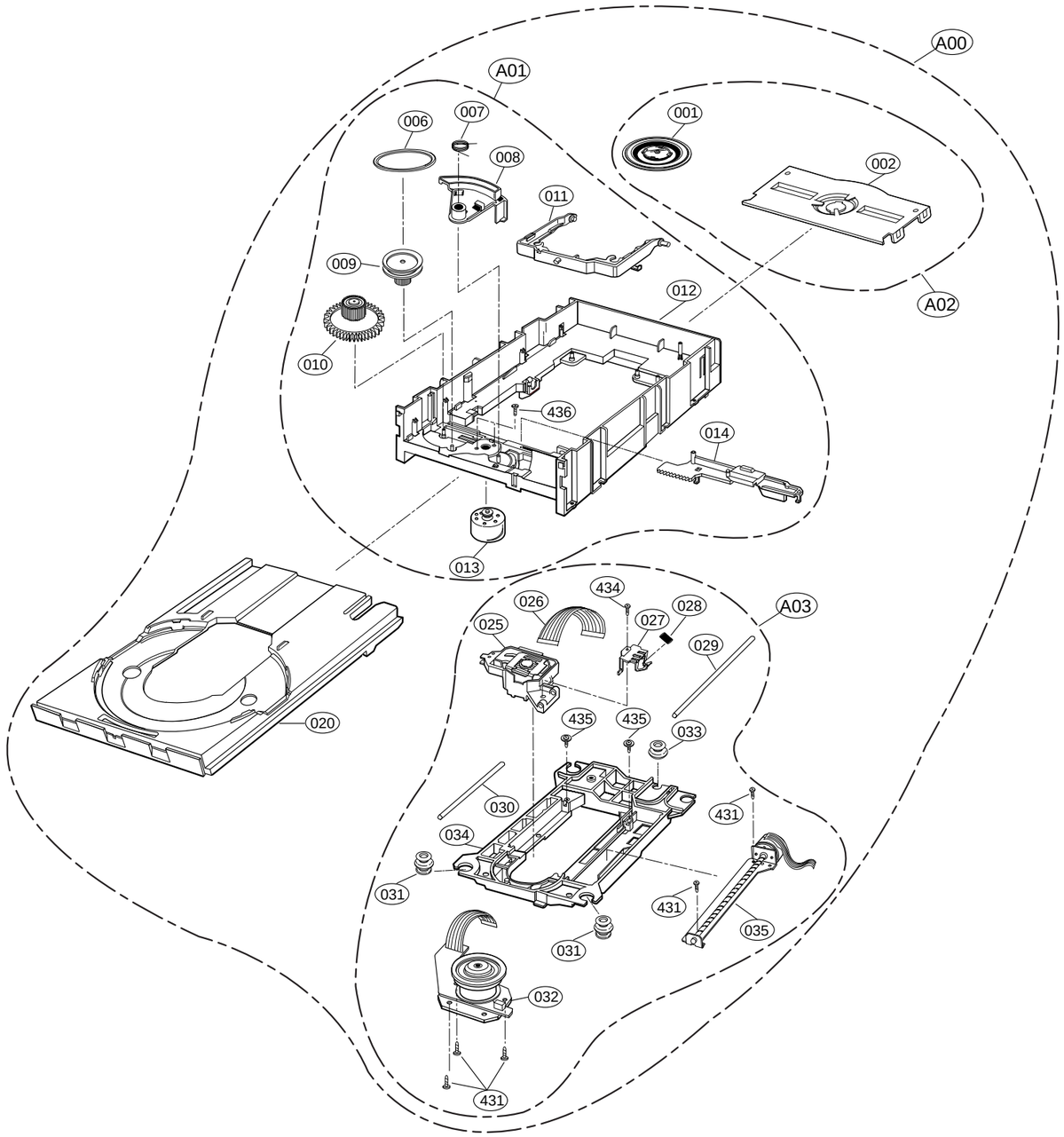
EXPLODED VIEW

• MAIN SECTION

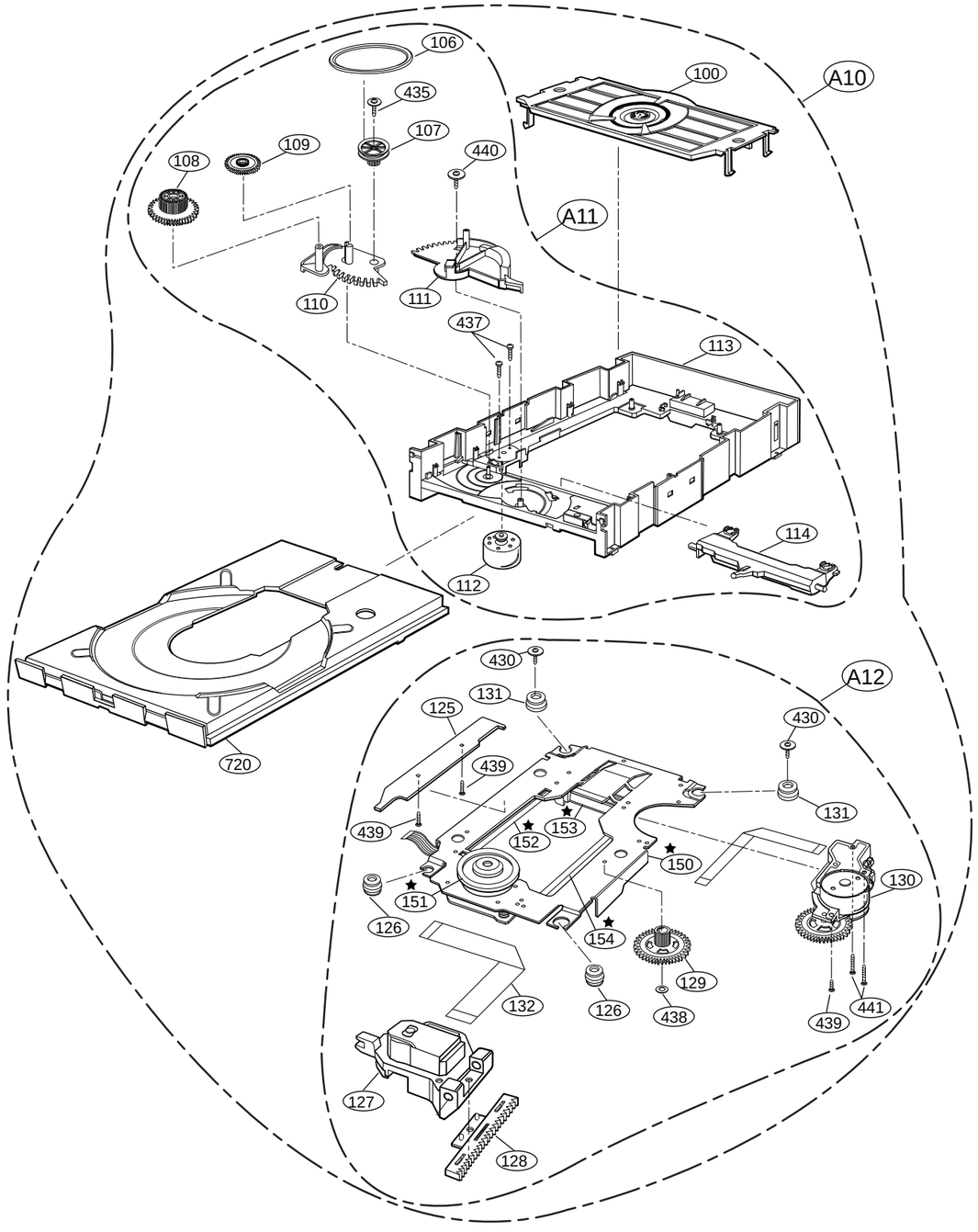


S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
			ASSEMBLY SECTION				
		A43	3721R-M001E	O	PANEL ASSY,AUDIO	FORNT+PCB(ADR-601.KTH2K)	
		A43-1	3721S-M111C	O	PANEL ASSY,FRONT	ADR-601 KTH2K	
		A43-2	6871RJ1963D	O	PWB(PCB) ASSY,JACK(AU	ADR-601 KTH2K H/P,COXIAL	
		A43-3	6871SF42GAE	O	PWB(PCB) ASSY,FRONT	AADR600 KTH1 EMI2	
		A43-4	6871RU0001B	O	PWB(PCB) ASSY,SUBSET	AADR600 KTH1 REC VOLUME	
		A44	6721R-0311A	O	DECK ASSY,AUDIO	AADR601 E2+PCB	
		A45	6721R-W222A	O	DECK ASSY,AUDIO	AADR601 PCB+Q1	
		A46	3141R-0007T	O	CHASSIS ASSY	MAIN(AADR601.KTH2K)	
		A46-1	3610RB0001A	O	FOOT	BOTTOM ASS''Y(GOLD ADR-600)	
		A47	6871R-3072A	O	PWB(PCB) ASSY,TOTAL	ADR-601 KTH1K I/O	
		A48	4941R-0002A	O	KNOB ASSY	POWER+PCB(ADR-600 KTH1)	
		A48-1	4941RB0001A	O	KNOB ASSY	POWER(ADR-600 KTH1)	
		A48-2	6871RZ1963A	O	PWB(PCB) ASSY,OTHERS	CDR-600 AH1 FRONT POWER LED	
		A49	3501R-3060B	O	BOARD ASSY	ADR-601 SMPS PWB	
			PARTS SECTION				
		250	4940S-6939A	O	KNOB	POWER(ADR-600 KTH1)	
		251	3790S-M079A	O	WINDOW	POWER LENS(CDR 2 AH1)	
		252	3300R-X002A	O	PLATE	PET 713F 0.15T PI9.9	
		254	4510S-1019A	O	LEVER	POWER(CDR 2)	
		255	3580S-C108B	O	DOOR	PLAY(ADR-600 KTH1 PRINT2)	
		256	3580S-C105B	O	DOOR	ACDR(ADR-600 KTH1 2PRINT)	
		259	3610S-0192A	O	FOOT	BOTTOM(ADR-600 KTH1)	
		260	3140S-P913B	O	CHASSIS	MAIN(ADR-600 KTH1)	
		261	3790S-M072B	O	WINDOW	FRONT(ADR-601 KTH1)	
		262	4350S-0001A	O	RING	3KEY(ADR-600 KTH1)	
		263	4350S-0002A	O	RING	6KEY(ADR-600 KTH1)	
		264	3858S-X170A	O	SHEET (MECH)	FL(CDR 2 AH1)	
		265	3720S-M113B	O	PANEL,FRONT	FRONT(ADR-601 KTH2K)	
		266	3858S-X171A	O	SHEET (MECH)	ETC	
		267	4940S-6938A	O	KNOB	PLAY 3K(ADR-600 KTH1)	
		268	4940S-6937A	O	KNOB	SEESAW 4K(ADR-600 KTH1)	
		269	4940S-6940A	O	KNOB	REC 8K(ADR-600 KTH1)	
		270	4940S-6941A	O	KNOB	VOLUME(ADR-600 KTH1)	
		275	3720S-P014L	O	PANEL	BACK(ADR601. KTH1K EU)	
		276	3140S-P911C	O	CHASSIS	TOP(ADR-600KTH1 HARMAN)	
		277	3846S-0208A	O	MARK	HARMAN KARDON BADGE(ADR-600 KT	
		278	4766R-0003A	O	FELT	FOOT(19.7*19.7)	
		279	3550S-1027B	O	COVER	RW DECK(AIR VENT ADR-600 KTH1)	
		300	6410RCHS02A	O	POWER CORD	EP11 LTFZ-2F 2*0.75 EMI OR SAN	

• CD PLAY SECTION



• CD RECORD SECTION



SECTION 5 REPLACEMENT PARTS LIST

A : CDR 20 KTH2K

RUN : 2000.10.28

. Mechanical Section

NSP : Not Service Parts

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
			ASSEMBLY SECTION				
		A00	6721R-0301A	O	DECK ASSY,VIDEO	ACDR(Q1,PLYER)	
		A01	4405H-1064A	O	MECHANISM ASSY	MAIN LOADING(GM-RT1332A)	
		A02	4931R-0033A	O	HOLDER ASSY	CLAMP(Q1,ACDR)	
		A03	4405R-D001A	O	MECHANISM ASSY	PU UNIT	
		A10	6721R-0302B	O	DECK ASSY,VIDEO	ACDR(E5,RECODER)	
		A11	4405H-1070C	O	MECHANISM ASSY	LOADING(GM-WT1524A,HORIZONTAL,	
		A12	4405R-D001B	O	MECHANISM ASSY	ACDR PU UNIT(E5)	
			PARTS SECTION				
		001	4861R-0004A	O	CLAMP ASSY	Q1 & E2 ACDR	
		002	4930H-1061A	O	HOLDER	CLAMP(GM-RT1332A)	
		006	4400H-1009A	O	BELT	GM-RT1332A	
		007	4970H-1087A	O	SPRING	LEVER SWITCH (GM-RT1332A)	
		008	4510H-1033A	O	LEVER	SWITCH(Q1)	
		009	4560H-1015A	O	PULLEY	GEAR (Q1)	
		010	4470H-1115A	O	GEAR	LOADING(Q1)	
		011	3040H-1056A	O	BASE	UP/DOWN(Q1)	
		012	3040H-1055A	O	BASE	MAIN (Q1)	NSP
		013	4681H-1024A	O	MOTOR ASSY	LOADING(H1 TO V3)	
		014	4974H-1034A	O	GUIDE	UP/DOWN(Q1)	
		020	3390H-1016C	O	TRAY	DISC (IBM, BLACK)	
		025	6716S-E001A	O	PICK UP	SF-P151EXVA SANYO ACDR	
		026	6850HD1L16A	O	CABLE,FLEXIBLE	2896-A-1.0-17(05*65)160 BANDO	
		027	4974H-1039A	O	GUIDE	FEED (Q1, MATSUSHITA)	
		028	4970H-1086A	O	SPRING	FEED(GM-RT1332A)	
		029	4370H-1024C	O	SHAFT	P/U (R,GM-RT1332A)	
		030	4370H-1025B	O	SHAFT	P/U (L,GM-RT1332A)	
		031	5040H-1053A	O	RUBBER	GM-RT1332A (F)	
		032	4680HB1019A	O	MOTOR(MECH)	GCS-L32A LGEC SPINDLE	
		033	5040H-1052A	O	RUBBER	GM-RT1332A(R)	
		034	3040H-1057A	O	BASE	P/U(Q1)	
		035	4680HP5002B	O	MOTOR(MECH)	15S1R10F6NC3 MATSUSHITA STEPPI	
		100	4861H-0008A	O	CLAMP ASSY	GM-WT1524A	
		106	4400H-1003A	O	BELT	GM-R512	
		107	4560H-1004A	O	PULLEY	GEAR	
		108	4470H-1015A	O	PULLEY	GEAR, LOADING(GM-R512)	
		109	4470H-1016A	O	PULLEY	GEAR, MIDDLE(GM-R512)	
		110	4974H-1018A	O	GUIDE	PLATE	
		111	3040H-1059A	O	BASE	UP/DOWN(E2)	
		112	4681H-1024A	O	MOTOR ASSY	LOADING(H1 TO V3)	
		113	3040H-1035B	O	BASE	MAIN(E2)	
		114	4974H-1023A	O	GUIDE	UP/DOWN(K1)	
		120	3390H-1011D	O	TRAY	DISC(E2/HORIZONTAL/BLACK)	
		125	4810H-1042A	O	BRACKET	WEIGHT BALANCER	
		126	5040H-1055B	O	RUBBER	FRONT(E4)	
		127	6716R-E002A	O	PICK UP	KRS-220C SONY 4RWX4RX32CD	
		128	4471H-0003A	O	GEAR ASSY	RACK(E2)	
		129	4471H-0004A	O	GEAR ASSY	PINION(E2)	
		130	4405H-1084B	O	MECHANISM ASSY	SLED UNIT(E3,NEW HALL PCB)	
		131	5040R-0047A	O	RUBBER	REAR(E2,5040H-1054A),YAMAUCHI	
		150	3140H-1010A	O	CHASSIS	P/U(E2)	NSP
		151	4680HB1034A	O	MOTOR(MECH)	GRS-R02A LGP SPINDLE	NSP
		152	4370H-1078A	O	SHAFT	P/U(L/CD-RW)	NSP
		153	4930H-1075A	O	HOLDER	FFC (E4)	NSP
		154	4370H-1079A	O	SHAFT	P/U(R/CD-RW)	NSP
			SCREW&WASHER				
		401	353-633A	O	SCREW	TAPTITE 4X8 BK S-TYPE	

RUN : 2000.10.28

NSP : Not Service Parts

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		403	353-046K	O	SCREW	SPECIAL (3X10 B.K)	
		404	353-051AAAA	O	SCREW	TAP/T,WASHER 3X10 FZY,H/D:9.5	
		404	353-051AAAA	O	SCREW	TAP/T,WASHER 3X10 FZY,H/D:9.5	
		405	353-051A	O	SCREW	SPECIAL	
		405	353-051AAAA	O	SCREW	TAP/T,WASHER 3X10 FZY,H/D:9.5	
		431	1SZZH-1007B	O	SCREW,	+ D2.0 6MM SWRCH16A/ZNBK 4MM 1	
		434	1SZZH-1011B	O	SCREW	+ D1.7 6MM SWRCH16A/NIY 3.5MM	
		435	1SZZH-1004A	O	SCREW,	+ D1.7 5MM SWRCH16A/ZNY 3.5MM	
		436	4000H-1006B	O	SCREW	+ D1.7 4.5MM SWRCH16A/ZNY 4MM	
		437	4000H-1006A	O	SCREW,	+ D1.7 4MM SWRCH16A/ZNBK 3MM 0	
		438	1WZZH-1009A	O	WASHER	BLACK Y POLY N	
		440	1SZZH-1011A	O	SCREW,	+ D1.7 7MM SWRCH16A/ZNY 3MM 0.	
		441	1SZZH-1005A	O	SCREW	+ D1.7 5MM SWRCH16A/NIY 3MM 0.	
		. Cabinet & Main Frame Section					
		ASSEMBLY SECTION					
		A43	3721R-M001E	O	PANEL ASSY,AUDIO	FORNT+PCB(ADR-601.KTH2K)	
		A43-1	3721S-M111C	O	PANEL ASSY,FRONT	ADR-601 KTH2K	
		A43-2	6871RJ1963D	O	PWB(PCB) ASSY,JACK(AU	ADR-601 KTH2K H/P,COXIAL	
		A43-3	6871SF42GAE	O	PWB(PCB) ASSY,FRONT	AADR600 KTH1 EMI2	
		A43-4	6871RU0001B	O	PWB(PCB) ASSY,SUBSET(	AADR600 KTH1 REC VOLUME	
		A44	6721R-0311A	O	DECK ASSY,AUDIO	AADR601 E2+PCB	
		A45	6721R-W222A	O	DECK ASSY,AUDIO	AADR601 PCB+Q1	
		A46	3141R-0007T	O	CHASSIS ASSY	MAIN(AADR601.KTH2K)	
		A46-1	3610RB0001A	O	FOOT	BOTTOM ASS''Y(GOLD ADR-600)	
		A47	6871R-3072A	O	PWB(PCB) ASSY,TOTAL	ADR-601 KTH1K I/O	
		A48	4941R-0002A	O	KNOB ASSY	POWER+PCB(ADR-600 KTH1)	
		A48-1	4941RB0001A	O	KNOB ASSY	POWER(ADR-600 KTH1)	
		A48-2	6871RZ1963A	O	PWB(PCB) ASSY,OTHERS	CDR-600 AH1 FRONT POWER LED	
		A49	3501R-3060B	O	BOARD ASSY	ADR-601 SMPS PWB	
		PARTS SECTION					
		250	4940S-6939A	O	KNOB	POWER(ADR-600 KTH1)	
		251	3790S-M079A	O	WINDOW	POWER LENS(CDR 2 AH1)	
		252	3300R-X002A	O	PLATE	PET 713F 0.15T PI9.9	
		254	4510S-1019A	O	LEVER	POWER(CDR 2)	
		255	3580S-C108B	O	DOOR	PLAY(ADR-600 KTH1 PRINT2)	
		256	3580S-C105B	O	DOOR	ACDR(ADR-600 KTH1 2PRINT)	
		259	3610S-0192A	O	FOOT	BOTTOM(ADR-600 KTH1)	
		260	3140S-P913B	O	CHASSIS	MAIN(ADR-600 KTH1)	
		261	3790S-M072B	O	WINDOW	FRONT(ADR-601 KTH1)	
		262	4350S-0001A	O	RING	3KEY(ADR-600 KTH1)	
		263	4350S-0002A	O	RING	6KEY(ADR-600 KTH1)	
		264	3858S-X170A	O	SHEET (MECH)	FL(CDR 2 AH1)	
		265	3720S-M113B	O	PANEL,FRONT	FRONT(ADR-601 KTH2K)	
		266	3858S-X171A	O	SHEET (MECH)	ETC	
		267	4940S-6938A	O	KNOB	PLAY 3K(ADR-600 KTH1)	
		268	4940S-6937A	O	KNOB	SEESAW 4K(ADR-600 KTH1)	
		269	4940S-6940A	O	KNOB	REC 8K(ADR-600 KTH1)	
		270	4940S-6941A	O	KNOB	VOLUME(ADR-600 KTH1)	
		275	3720S-P014L	O	PANEL	BACK(ADR601. KTH1K EU)	
		276	3140S-P911C	O	CHASSIS	TOP(ADR-600KTH1 HARMAN)	
		277	3846S-0208A	O	MARK	HARMAN KARDON BADGE(ADR-600 KT	
		278	4766R-0003A	O	FELT	FOOT(19.7*19.7)	
		279	3550S-1027B	O	COVER	RW DECK(AIR VENT ADR-600 KTH1)	
		300	6410RCHS02A	O	POWER CORD	EP11 LTFZ-2F 2*0.75 EMI OR SAN	
		. Packing Accessory Section					
		801	3829RDK006B	O	MANUAL ASSY	ADR-601(CDR 20) EUROPE O/M+PE	
		802	3890S-C093Z	O	BOX	AADR601 HARMAN(EUROPE) DW2 561	
		803	3920R-0087A	O	PACKING	ADR-600 0.02 400 EPS 6 660 132	
		804	292-053D	O	BAG	LVP-1	NSP
		808	534-002C	O	BATTERY	1.5V AAM UM-3 LOL 1PAIR	
		850	3008R-0004A	O	DISK	CD-R HARMAN KARDON(2ND)	
		851	564-036D	O	PLUG CONTACT CORD,PH	PHONE 1.5MZ 1185#26	

RUN : 2000.10.28

NSP : Not Service Parts

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		852	564-036J	O	CORD	DIGIATL 1.5M 1365#30 ORANGE N	
		853	6852R-N001A	O	CORD	1.5M NAMIL REMOTE CONTROL FO	
		. Remote Control Section					
		900	6711R1Z017B	O	REMOTE CONTROLLER A	HANHGO 43KEY ACDR CDR20RC	

A : CDR 20 KTH2K

. Electrical Section

RUN : 2000.10.28

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
			CAPACITOR			
		C249	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C101	0CE4766J618	O	CAPACITOR,ELECTROLYTIC	47M SMS 35V M FM(5) TP(5)
		C101	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C101	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C102	0CH1102K566	O	CAPACITOR,CHIP[CERAMIC M/L HD	1000PF 50V K X7R(X) 2012 R/TP
		C102	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C102	0CH8107C621	O	CAPACITOR,CHIP[AL. ELECTROLYTI	100UF 6.3V M 85STD(CYL) R/TP
		C103	0CE4756K618	O	CAPACITOR,ELECTROLYTIC	4.7M SMS 50V M FL TP(5)
		C103	0CH1105D942	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP
		C103	0CH7106F621	O	CAPACITOR,CHIP[TANTALUM]	10UF 16V M 3528MM TP(-)
		C104	0CH1102K566	O	CAPACITOR,CHIP[CERAMIC M/L HD	1000PF 50V K X7R(X) 2012 R/TP
		C104	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C105	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C105	0CH8107F621	O	CAPA,CHIP AL.ELECTROLYTIC	100UF 16V M 6666 R/TP
		C105	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C106	0CE4766J618	O	CAPACITOR,ELECTROLYTIC	47M SMS 35V M FM(5) TP(5)
		C106	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C106	0CH8227C621	O	CAPACITOR,CHIP[AL. ELECTROLYTI	220UF 6.3V M 105STD (CYL) R/TP
		C107	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C107	0CHZS-0002C	O	CAPACITOR,CHIP	GRM40Y5V105Z16D530 PT85 MURATA
		C108	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C108	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C108	0CHZS-0002C	O	CAPACITOR,CHIP	GRM40Y5V105Z16D530 PT85 MURATA
		C109	0CH1103K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.01UF 50V Z Y5V(F) 2012 R/TP
		C109	0CHZS-0002C	O	CAPACITOR,CHIP	GRM40Y5V105Z16D530 PT85 MURATA
		C110	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C110	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C111	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C111	0CHZS-0002C	O	CAPACITOR,CHIP	GRM40Y5V105Z16D530 PT85 MURATA
		C112	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C113	0CH8107F621	O	CAPA,CHIP AL.ELECTROLYTIC	100UF 16V M 6666 R/TP
		C114	0CE2266K618	O	CAPACITOR,ELECTROLYTIC	22M SMS 50V M FM5 TP(5)
		C114	0CH8107F621	O	CAPA,CHIP AL.ELECTROLYTIC	100UF 16V M 6666 R/TP
		C114	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C115	0CE2266K618	O	CAPACITOR,ELECTROLYTIC	22M SMS 50V M FM5 TP(5)
		C115	0CH8476F621	O	CAPA,CHIP AL.ELECTROLYTIC	47UF 16V M 6666 R/TP
		C116	0CE2266K618	O	CAPACITOR,ELECTROLYTIC	22M SMS 50V M FM5 TP(5)
		C116	0CH8107C621	O	CAPACITOR,CHIP[AL. ELECTROLYTI	100UF 6.3V M 85STD(CYL) R/TP
		C117	0CE2266K618	O	CAPACITOR,ELECTROLYTIC	22M SMS 50V M FM5 TP(5)
		C117	0CHZS-0002C	O	CAPACITOR,CHIP	GRM40Y5V105Z16D530 PT85 MURATA
		C118	0CH1332K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	3300P 50V K X7R 1.6X0.8 R/TP
		C118	0CH4101K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	100P 50V J NP0 2.0*1.25 R/TP
		C119	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C119	0CH8107C621	O	CAPACITOR,CHIP[AL. ELECTROLYTI	100UF 6.3V M 85STD(CYL) R/TP
		C120	0CE4766J618	O	CAPACITOR,ELECTROLYTIC	47M SMS 35V M FM(5) TP(5)
		C120	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C121	0CH1102K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	4.6566128752458E-007F 50V K X7
		C121	0CH4101K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	100P 50V J NP0 2.0*1.25 R/TP
		C122	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C122	0CH4470K442	O	CAPA,CHIP CERAMIC M/L T.C F/S	47PF 50V J N220 1508 R/TP
		C123	0CE4766J618	O	CAPACITOR,ELECTROLYTIC	47M SMS 35V M FM(5) TP(5)
		C123	0CH4471K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	470PF 50V J NP0 1508 R/TP
		C124	0CH4101K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	100P 50V J NP0 2.0*1.25 R/TP
		C125	0CH4101K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	100P 50V J NP0 2.0*1.25 R/TP
		C126	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C127	0CE4766J618	O	CAPACITOR,ELECTROLYTIC	47M SMS 35V M FM(5) TP(5)
		C128	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C129	0CE4766J618	O	CAPACITOR,ELECTROLYTIC	47M SMS 35V M FM(5) TP(5)
		C130	0CH4221K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	220P 50V J 2.0X1.25 R/TP
		C131	0CE2266K618	O	CAPACITOR,ELECTROLYTIC	22M SMS 50V M FM5 TP(5)
		C132	0CH4221K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	220P 50V J 2.0X1.25 R/TP
		C133	0CE2266K618	O	CAPACITOR,ELECTROLYTIC	22M SMS 50V M FM5 TP(5)

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
		C134	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C135	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C136	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C137	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C138	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C139	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C140	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C141	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C142	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C143	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C144	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C145	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C201	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C201	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C202	0CE1076F618	O	CAPACITOR,ELECTROLYTIC	100M SMS 16V M FM5 TP(5)
		C202	0CH1102K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	4.6566128752458E-007F 50V K X7
		C202	0CH1472K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	4700PF 50V K X7R(X) 1608 R/TP
		C203	0CH1821K516	O	CAPACITOR,CHIP[CERAMIC M/L HD	CONDENSER
		C203	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C204	0CE4766J618	O	CAPACITOR,ELECTROLYTIC	47M SMS 35V M FM(5) TP(5)
		C204	0CH1332K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	3300P 50V K X7R 1.6X0.8 R/TP
		C204	0CHZS-0002C	O	CAPACITOR,CHIP	GRM40Y5V105Z16D530 PT85 MURATA
		C205	0CE4766J618	O	CAPACITOR,ELECTROLYTIC	47M SMS 35V M FM(5) TP(5)
		C205	0CHZS-0002C	O	CAPACITOR,CHIP	GRM40Y5V105Z16D530 PT85 MURATA
		C206	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C206	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C206	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C207	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C207	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C207	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP
		C208	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C208	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C208	0CH4221K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP
		C209	0CE4775C618	O	CAPACITOR,AL.ELECTROLYTIC	470UF SR,SV 6.3V M FL TP 5
		C209	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C209	0CHZS-0002C	O	CAPACITOR,CHIP	GRM40Y5V105Z16D530 PT85 MURATA
		C210	0CE1076D618	O	CAPACITOR,ELECTROLYTIC	100M SMS 10V M FM5 TP(5)
		C210	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C211	0CE1076D618	O	CAPACITOR,ELECTROLYTIC	100M SMS 10V M FM5 TP(5)
		C211	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C211	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP
		C212	0CE1076F618	O	CAPACITOR,ELECTROLYTIC	100M SMS 16V M FM5 TP(5)
		C212	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C212	0CHZS-0002C	O	CAPACITOR,CHIP	GRM40Y5V105Z16D530 PT85 MURATA
		C213	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C213	0CH1332K566	O	CAPACITOR,CHIP[CERAMIC M/L HD	3300PF 50V K X7R(X) 2012 R/TP
		C214	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C214	0CH4101K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	100P 50V J NP0 2.0*1.25 R/TP
		C214	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C215	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C215	0CH1473H942	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.0470UF 25V Z Y5V(F) 1608 R/T
		C216	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C216	0CH4151K412	O	CAPA,CHIP CERAMIC M/L T.C F/S	150P 50V J COG 1.6X0.8 R/TP
		C217	0CE2276H618	O	CAPACITOR,ELECTROLYTIC	220M SMS 25V FM5 TP(5)
		C217	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C217	0CH1332K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	3300P 50V K X7R 1.6X0.8 R/TP
		C218	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C218	0CH1821K516	O	CAPACITOR,CHIP[CERAMIC M/L HD	CONDENSER
		C218	0CH4221K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP
		C219	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C219	0CH1473H942	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.0470UF 25V Z Y5V(F) 1608 R/T
		C219	0CH4221K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	220P 50V J 2.0X1.25 R/TP
		C220	0CE2266K618	O	CAPACITOR,ELECTROLYTIC	22M SMS 50V M FM5 TP(5)
		C220	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C220	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT

RUN : 2000.10.28

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
		C221	0CH1332K566	O	CAPACITOR,CHIP[CERAMIC M/L HD	3300PF 50V K X7R(X) 2012 R/TP
		C221	0CH4220K442	O	CAPA,CHIP CERAMIC M/L T.C F/S	22PF 50V J N220 1508 R/TP
		C221	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C222	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C222	0CH1332K566	O	CAPACITOR,CHIP[CERAMIC M/L HD	3300PF 50V K X7R(X) 2012 R/TP
		C222	0CH4220K442	O	CAPA,CHIP CERAMIC M/L T.C F/S	22PF 50V J N220 1508 R/TP
		C223	0CE1076D618	O	CAPACITOR,ELECTROLYTIC	100M SMS 10V M FM5 TP(5)
		C223	0CH1102K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	4.6566128752458E-007F 50V K X7
		C223	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C224	0CE1076D618	O	CAPACITOR,ELECTROLYTIC	100M SMS 10V M FM5 TP(5)
		C224	0CH1472K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	4700PF 50V K X7R(X) 1608 R/TP
		C224	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C225	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C225	0CH1821K516	O	CAPACITOR,CHIP[CERAMIC M/L HD	CONDENSER
		C225	0CH4680K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	68P 50V J COG 1.6X0.8 R/TP
		C226	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C226	0CH4680K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	68P 50V J COG 1.6X0.8 R/TP
		C227	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C227	0CH1821K516	O	CAPACITOR,CHIP[CERAMIC M/L HD	CONDENSER
		C227	0CH4680K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	68P 50V J COG 1.6X0.8 R/TP
		C228	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C228	0CH4680K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	68P 50V J COG 1.6X0.8 R/TP
		C229	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C229	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C229	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C231	0CE2266K618	O	CAPACITOR,ELECTROLYTIC	22M SMS 50V M FM5 TP(5)
		C232	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C234	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C235	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C236	0CQ3921N409	O	CAPACITOR POLYESTER(MYLAR)	0.0039U 100V J POLY TP
		C237	0CQ3921N409	O	CAPACITOR POLYESTER(MYLAR)	0.0039U 100V J POLY TP
		C238	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C238	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C239	0CH1103K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.01UF 50V Z Y5V(F) 2012 R/TP
		C239	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C240	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C241	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C241	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C242	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C242	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C243	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C245	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C246	0CH1105F946	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 16V Z Y5V(F) 2012 R/TP
		C247	0CH4101K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	100P 50V J NP0 2.0*1.25 R/TP
		C248	0CH4101K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	100P 50V J NP0 2.0*1.25 R/TP
		C250	0CH4470K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J NP0 2.0X1.25 R/TP
		C251	0CH4101K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	100P 50V J NP0 2.0*1.25 R/TP
		C252	0CH4470K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J NP0 2.0X1.25 R/TP
		C301	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C301	0CHZS-0002C	O	CAPACITOR,CHIP	GRM40Y5V105Z16D530 PT85 MURATA
		C302	0CH8106F611	O	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP
		C302	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C303	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C303	0CHZS-0002C	O	CAPACITOR,CHIP	GRM40Y5V105Z16D530 PT85 MURATA
		C304	0CH8227C621	O	CAPACITOR,CHIP[AL. ELECTROLYTI	220UF 6.3V M 105STD (CYL) R/TP
		C304	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C305	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C306	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C307	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C308	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C308	0CHZS-0002C	O	CAPACITOR,CHIP	GRM40Y5V105Z16D530 PT85 MURATA
		C309	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C309	0CHZS-0002C	O	CAPACITOR,CHIP	GRM40Y5V105Z16D530 PT85 MURATA
		C310	0CH1122K562	O	CHIP CAPA CERAMIC M/L H.D F/S	1200P 50V K X7R 1.6X0.8 R/TP
		C310	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C311	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
		C312	0CH4470K442	O	CAPA,CHIP CERAMIC M/L T.C F/S	47PF 50V J N220 1508 R/TP
		C312	0CH8107C621	O	CAPACITOR,CHIP[AL. ELECTROLYTI	100UF 6.3V M 85STD(CYL) R/TP
		C313	0CH4470K442	O	CAPA,CHIP CERAMIC M/L T.C F/S	47PF 50V J N220 1508 R/TP
		C314	0CH4470K442	O	CAPA,CHIP CERAMIC M/L T.C F/S	47PF 50V J N220 1508 R/TP
		C320	0CH1225F944	O	CAPACITOR,CHIP[CERAMIC M/L HD	2.2000UF 16V Z Y5V(F) 3216 R/T
		C321	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C322	0CH1225F944	O	CAPACITOR,CHIP[CERAMIC M/L HD	2.2000UF 16V Z Y5V(F) 3216 R/T
		C323	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C325	0RH8200C622	O	RESISTOR,CHIP	820 1/16W 5 D.R/TP
		C326	0CH7106F621	O	CAPACITOR,CHIP[TANTALUM]	10UF 16V M 3528MM TP(-)
		C327	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C329	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C330	0CH1225F944	O	CAPACITOR,CHIP[CERAMIC M/L HD	2.2000UF 16V Z Y5V(F) 3216 R/T
		C331	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C332	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C333	0CH1823K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.0820UF 50V Z Y5V(F) 2012 R/T
		C334	0CH1822K516	O	CHIP CAPA CERAMIC M/L H.D F/S	8200P 50V K B 2.0X1.2 R/TP
		C335	0CH1225F944	O	CAPACITOR,CHIP[CERAMIC M/L HD	2.2000UF 16V Z Y5V(F) 3216 R/T
		C336	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C338	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP
		C339	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP
		C340	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP
		C344	0CH4180K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	18P 50V J COG 1.6X0.8 R/TP
		C345	0CH4180K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	18P 50V J COG 1.6X0.8 R/TP
		C346	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C401	0CE4766J618	O	CAPACITOR,ELECTROLYTIC	47M SMS 35V M FM(5) TP(5)
		C401	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C401	0CH1222K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	2200PF 50V K X7R(X) 1608 R/TP
		C402	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C402	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C402	0CH1333K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.033UF 50V K X7R(X) 1508 R/TP
		C403	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C404	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C404	0CH1222K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	2200PF 50V K X7R(X) 1608 R/TP
		C404	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C405	0CE4766J618	O	CAPACITOR,ELECTROLYTIC	47M SMS 35V M FM(5) TP(5)
		C405	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C405	0CHZS-0002E	O	CAPACITOR,CHIP	GRM40Y5V224Z25C550 PT10 MURATA
		C406	0CE4775C618	O	CAPACITOR,AL.ELECTROLYTIC	470UF SR,SV 6.3V M FL TP 5
		C406	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C406	0CHZS-0002E	O	CAPACITOR,CHIP	GRM40Y5V224Z25C550 PT10 MURATA
		C407	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C407	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C407	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C408	0CE1076D618	O	CAPACITOR,ELECTROLYTIC	100M SMS 10V M FM5 TP(5)
		C408	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C408	0CH4221K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP
		C409	0CE1076D618	O	CAPACITOR,ELECTROLYTIC	100M SMS 10V M FM5 TP(5)
		C409	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C410	0CH1102K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	4.6566128752458E-007F 50V K X7
		C410	0CH8107F621	O	CAPA,CHIP AL.ELECTROLYTIC	100UF 16V M 6666 R/TP
		C411	0CE1076F618	O	CAPACITOR,ELECTROLYTIC	100M SMS 16V M FM5 TP(5)
		C411	0CH1102K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	4.6566128752458E-007F 50V K X7
		C411	0CH8476F621	O	CAPA,CHIP AL.ELECTROLYTIC	47UF 16V M 6666 R/TP
		C412	0CE1076F618	O	CAPACITOR,ELECTROLYTIC	100M SMS 16V M FM5 TP(5)
		C412	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C413	0CE1076D618	O	CAPACITOR,ELECTROLYTIC	100M SMS 10V M FM5 TP(5)
		C413	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C414	0CE1076D618	O	CAPACITOR,ELECTROLYTIC	100M SMS 10V M FM5 TP(5)
		C414	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C414	0CH1473H942	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.0470UF 25V Z Y5V(F) 1608 R/T
		C415	0CH1332K566	O	CAPACITOR,CHIP[CERAMIC M/L HD	3300PF 50V K X7R(X) 2012 R/TP
		C415	0CH1823K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.0820UF 50V Z Y5V(F) 2012 R/T
		C415	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C416	0CH1821K516	O	CAPACITOR,CHIP[CERAMIC M/L HD	CONDENSER
		C416	0CH1823K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.0820UF 50V Z Y5V(F) 2012 R/T

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
		C416	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C417	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C417	0CH1821K516	O	CAPACITOR,CHIP[CERAMIC M/L HD	CONDENSER
		C417	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C418	0CH1332K566	O	CAPACITOR,CHIP[CERAMIC M/L HD	3300PF 50V K X7R(X) 2012 R/TP
		C418	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C419	0CH1683H566	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.0680UF 25V K X7R(X) 2012 R/T
		C419	0CH1821K516	O	CAPACITOR,CHIP[CERAMIC M/L HD	CONDENSER
		C419	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C420	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C421	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C421	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C422	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C423	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C423	0CH8106F611	O	CAPACITOR,CHIP[AL. ELECTROLYTI	10UF 16V M 85STD(CYL) R/TP
		C424	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C424	0CH1334H946	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.3300UF 25V Z Y5V(F) 2012 R/T
		C424	0CH1821K516	O	CAPACITOR,CHIP[CERAMIC M/L HD	CONDENSER
		C425	0CE2266K618	O	CAPACITOR,ELECTROLYTIC	22M SMS 50V M FM5 TP(5)
		C425	0CH1334H946	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.3300UF 25V Z Y5V(F) 2012 R/T
		C426	0CE2266K618	O	CAPACITOR,ELECTROLYTIC	22M SMS 50V M FM5 TP(5)
		C426	0CH1334H946	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.3300UF 25V Z Y5V(F) 2012 R/T
		C427	0CH1153K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.015U 50V K X7R 1.6X0.8 R/TP
		C427	0CQ3921N409	O	CAPACITOR POLYESTER(MYLAR)	0.0039U 100V J POLY TP
		C428	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C428	0CQ3921N409	O	CAPACITOR POLYESTER(MYLAR)	0.0039U 100V J POLY TP
		C429	0CH1474H946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.4700UF 25V Z Y5V(F) 2012 R/T
		C429	0CH4221K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	220P 50V J 2.0X1.25 R/TP
		C430	0CH4221K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	220P 50V J 2.0X1.25 R/TP
		C430	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C431	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C432	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C433	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C434	0CH4151K412	O	CAPA,CHIP CERAMIC M/L T.C F/S	150P 50V J COG 1.6X0.8 R/TP
		C435	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C437	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C438	0CH4270K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	27PF 50V J NP0 1608 R/TP
		C439	0CH4331K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	330P 50V J COG 1.6X0.8 R/TP
		C440	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C441	0CH4270K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	27PF 50V J NP0 1608 R/TP
		C442	0CH4470K442	O	CAPA,CHIP CERAMIC M/L T.C F/S	47PF 50V J N220 1508 R/TP
		C443	0CH1154F516	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1500UF 16V K B 2012 R/TP
		C445	0CH1332K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	3300P 50V K X7R 1.6X0.8 R/TP
		C446	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C447	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C449	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C451	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C453	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C454	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C455	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C456	0CH4151K412	O	CAPA,CHIP CERAMIC M/L T.C F/S	150P 50V J COG 1.6X0.8 R/TP
		C458	0CH4151K412	O	CAPA,CHIP CERAMIC M/L T.C F/S	150P 50V J COG 1.6X0.8 R/TP
		C459	0CH4151K412	O	CAPA,CHIP CERAMIC M/L T.C F/S	150P 50V J COG 1.6X0.8 R/TP
		C460	0CH7106F621	O	CAPACITOR,CHIP[TANTALUM]	10UF 16V M 3528MM TP(-)
		C461	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C462	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C463	0CH7106F621	O	CAPACITOR,CHIP[TANTALUM]	10UF 16V M 3528MM TP(-)
		C464	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C466	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C467	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C468	0CHZS-0002C	O	CAPACITOR,CHIP	GRM40Y5V105Z16D530 PT85 MURATA
		C469	0CH1102K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	4.6566128752458E-007F 50V K X7
		C470	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C471	0CE1076F618	O	CAPACITOR,ELECTROLYTIC	100M SMS 16V M FM5 TP(5)
		C471	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C472	0CE1076F618	O	CAPACITOR,ELECTROLYTIC	100M SMS 16V M FM5 TP(5)

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
		C473	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C473	0CH8107F621	O	CAPA,CHIP AL.ELECTROLYTIC	100UF 16V M 6666 R/TP
		C474	0CH1104K946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.1UF 50V Z Y5V(F) 2012 R/TP
		C474	0CH4221K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP
		C475	0CH4070K112	O	CAPACITOR,CHIP[CERAMIC M/L TC	7P 50V D COG 1.6X0.8 R/TP
		C476	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C477	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C478	0CH4030K042	O	CAPA,CHIP CERAMIC M/L T.C F/S	3P 50V C N220 1.6X0.8 R/TP
		C479	0CH4030K042	O	CAPA,CHIP CERAMIC M/L T.C F/S	3P 50V C N220 1.6X0.8 R/TP
		C480	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C481	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C482	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C501	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C501	0CH4150K472	O	CAPA,CHIP CERAMIC M/L T.C F/S	15PF 50V J N750 1508 R/TP
		C502	0CH4150K472	O	CAPA,CHIP CERAMIC M/L T.C F/S	15PF 50V J N750 1508 R/TP
		C503	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C504	0CH8107C621	O	CAPACITOR,CHIP[AL. ELECTROLYTI	100UF 6.3V M 85STD(CYL) R/TP
		C504	0CH8107F621	O	CAPA,CHIP AL.ELECTROLYTIC	100UF 16V M 6666 R/TP
		C505	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C505	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C506	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C506	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C507	0CH1562K516	O	CHIP CAPA CERAMIC M/L H.D F/S	5600P 50V K B 2.0X1.2 R/TP
		C507	0CH8107C621	O	CAPACITOR,CHIP[AL. ELECTROLYTI	100UF 6.3V M 85STD(CYL) R/TP
		C508	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C508	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C509	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C509	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C510	0CH1562K516	O	CHIP CAPA CERAMIC M/L H.D F/S	5600P 50V K B 2.0X1.2 R/TP
		C510	0CHZS-0002C	O	CAPACITOR,CHIP	GRM40Y5V105Z16D530 PT85 MURATA
		C511	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C511	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C512	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C512	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C513	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C513	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C514	0CH1682K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	6800P 50V K X7R 1.6X0.8 R/TP
		C514	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C515	0CH1682K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	6800P 50V K X7R 1.6X0.8 R/TP
		C520	0CH1474H946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.4700UF 25V Z Y5V(F) 2012 R/T
		C521	0CH1474H946	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.4700UF 25V Z Y5V(F) 2012 R/T
		C522	0CH1222K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	2200PF 50V K X7R(X) 1608 R/TP
		C523	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C524	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C525	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C528	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C529	0CH7106F621	O	CAPACITOR,CHIP[TANTALUM]	10UF 16V M 3528MM TP(-)
		C530	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C531	0CHZS-0002C	O	CAPACITOR,CHIP	GRM40Y5V105Z16D530 PT85 MURATA
		C533	0CH8107F621	O	CAPA,CHIP AL.ELECTROLYTIC	100UF 16V M 6666 R/TP
		C534	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C535	0CHZS-0002C	O	CAPACITOR,CHIP	GRM40Y5V105Z16D530 PT85 MURATA
		C536	0CHZS-0002C	O	CAPACITOR,CHIP	GRM40Y5V105Z16D530 PT85 MURATA
		C537	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C538	0CH8107F621	O	CAPA,CHIP AL.ELECTROLYTIC	100UF 16V M 6666 R/TP
		C540	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C541	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C543	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C544	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C546	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C548	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C549	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C550	0CH1473H942	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.0470UF 25V Z Y5V(F) 1608 R/T
		C551	0CH1473H942	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.0470UF 25V Z Y5V(F) 1608 R/T
		C552	0CH1473H942	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.0470UF 25V Z Y5V(F) 1608 R/T

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
		C553	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C555	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C557	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C558	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C601	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C602	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C602	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C603	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C604	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C604	0CHZS-0002B	O	CAPACITOR,CHIP	GRM40Y5V104Z50C550 PT10 MURATA
		C605	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP
		C605	0CH8107C621	O	CAPACITOR,CHIP[AL. ELECTROLYTI	100UF 6.3V M 85STD(CYL) R/TP
		C606	0CH4080K112	O	CHIP CAPA CERAMIC M/L T.C F/S	8P 50V D COG 1.6X0.8 R/TP
		C607	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C608	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C609	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C701	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C702	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C702	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP
		C703	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C704	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C704	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C705	0CH4150K412	O	CAPA,CHIP CERAMIC M/L T.C F/S	15P 50V J COG 1.6X0.8 R/TP
		C705	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C706	0CH4150K412	O	CAPA,CHIP CERAMIC M/L T.C F/S	15P 50V J COG 1.6X0.8 R/TP
		C706	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C707	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C707	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C708	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C708	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C709	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C710	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C711	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C712	0CH1473H942	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.0470UF 25V Z Y5V(F) 1608 R/T
		C712	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP
		C713	0CH1473H942	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.0470UF 25V Z Y5V(F) 1608 R/T
		C713	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP
		C714	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C714	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP
		C715	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C715	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP
		C716	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C719	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C720	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C721	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C721	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C722	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C722	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C723	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C724	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP
		C725	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP
		C726	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP
		C727	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP
		C728	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP
		C729	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP
		C730	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C740	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C741	0CHZS-0001B	O	CAPACITOR,CHIP	GRM39X7R103K50C500 PT266 MURAT
		C743	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP
		C750	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C751	0CH7106C611	O	CAPA,CHIP TANRALUM	10UF 6.3V M 3216 TP(-)
		C801	0CN1040K948	O	CAPACITOR,TUBULAR(HIGH DIELEC)	0.1UF 50V Z F TA26 D
		C802	0CN1040K948	O	CAPACITOR,TUBULAR(HIGH DIELEC)	0.1UF 50V Z F TA26 D
		C804	0CE1073F638	O	CAPACITOR,ELECTROLYTIC	100M SRE 16V M FM5 TP(5)
		C805	0CN2230H948	O	CAPACITOR TUBULA(HIGH DIELE)	0.022M 25V Z F TA26
		C806	0CN2230H948	O	CAPACITOR TUBULA(HIGH DIELE)	0.022M 25V Z F TA26

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
		C807	0CN2230H948	O	CAPACITOR TUBULA(HIGH DIELE)	0.022M 25V Z F TA26
		C808	0CN1040K948	O	CAPACITOR,TUBULAR(HIGH DIELEC)	0.1UF 50V Z F TA26 D
		C809	0CN1040K948	O	CAPACITOR,TUBULAR(HIGH DIELEC)	0.1UF 50V Z F TA26 D
		C810	0CN1040K948	O	CAPACITOR,TUBULAR(HIGH DIELEC)	0.1UF 50V Z F TA26 D
		C811	0CN1010K418	O	CAPACITOR,TUBULAR(HIGH DIELEC)	100PF 50V J B TA26
		C812	0CN1010K418	O	CAPACITOR,TUBULAR(HIGH DIELEC)	100PF 50V J B TA26
		C813	0CN1010K418	O	CAPACITOR,TUBULAR(HIGH DIELEC)	100PF 50V J B TA26
		C814	0CN1010K418	O	CAPACITOR,TUBULAR(HIGH DIELEC)	100PF 50V J B TA26
		C815	0CN1040K948	O	CAPACITOR,TUBULAR(HIGH DIELEC)	0.1UF 50V Z F TA26 D
		C816	0CN1040K948	O	CAPACITOR,TUBULAR(HIGH DIELEC)	0.1UF 50V Z F TA26 D
		C890	0CN1040K948	O	CAPACITOR,TUBULAR(HIGH DIELEC)	0.1UF 50V Z F TA26 D
		C900	624-085D	O	CAPACITOR	CE 47UF/50V KME (SMPS)
		C901	624-088F	O	CAPACITOR	PCX2 275V 0.1UF,M (PILKO)
		C902	624-088F	O	CAPACITOR	PCX2 275V 0.1UF,M (PILKO)
		C903	624-082C	O	CAPACITOR,AL.ELECTROLYTIC	100MF/400V SHL SMPS S/Y
		C904	0CN223AK948	O	CAPACITOR,TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S
		C905	0CQ1031Y519	O	CAPACITOR,POLYESTER	0.01UF D 630V K PE NI TP
		C906	624-087B	O	CAPACITOR	HIGH-VOL 100P/1KV SMPS SAMHWA
		C909	0CQ4732K409	O	CAPACITOR,POLYESTER(MYLAR)	0.047UF S 50V J PE TP
		C913	0CG3320U630	O	CAPACITOR,SEMI CERAMIC	3300 PF 400V M E R(NK,AD,SD)
		C915	0CE2276D618	O	CAPACITOR,ELECTROLYTIC	220UF SMS 10V M FL TP5
		C916	0CE108BF638	O	CAPACITOR,AL.ELECTROLYTIC	1000UF KME TYPE 16V M FM5 TP 5
		C917	0CE4764K638	O	CAPACITOR,AL.ELECTROLYTIC	47M SRA 50V M FM5 TP(5)
		C918	0CE1076F638	O	CAPACITOR,AL.ELECTROLYTIC	100M SMS 16V M FM5 TP(5)
		C919	624-085D	O	CAPACITOR	CE 47UF/50V KME (SMPS)
		C921	624-085D	O	CAPACITOR	CE 47UF/50V KME (SMPS)
		C923	0CE108BF638	O	CAPACITOR,AL.ELECTROLYTIC	1000UF KME TYPE 16V M FM5 TP 5
		C924	0CE108BF638	O	CAPACITOR,AL.ELECTROLYTIC	1000UF KME TYPE 16V M FM5 TP 5
		C925	0CE3376D638	O	CAPACITOR,ELECTROLYTIC	330UF SMS 10V M FM5 TP5
		C926	624-085D	O	CAPACITOR	CE 47UF/50V KME (SMPS)
		C927	0CE4764K638	O	CAPACITOR,AL.ELECTROLYTIC	47M SRA 50V M FM5 TP(5)
		C928	0CQ4732K409	O	CAPACITOR,POLYESTER(MYLAR)	0.047UF S 50V J PE TP
		C929	0CE1076F638	O	CAPACITOR,AL.ELECTROLYTIC	100M SMS 16V M FM5 TP(5)
		C930	0CE4764K638	O	CAPACITOR,AL.ELECTROLYTIC	47M SRA 50V M FM5 TP(5)
		C931	0CE4764K638	O	CAPACITOR,AL.ELECTROLYTIC	47M SRA 50V M FM5 TP(5)
		C932	0CE1076F638	O	CAPACITOR,AL.ELECTROLYTIC	100M SMS 16V M FM5 TP(5)
		C933	0CE3376D638	O	CAPACITOR,ELECTROLYTIC	330UF SMS 10V M FM5 TP5
		C934	0CE1076F638	O	CAPACITOR,AL.ELECTROLYTIC	100M SMS 16V M FM5 TP(5)
		C935	0CE1064H638	O	CAPACITOR,ELECTROLYTIC	10M SRA 25V M FM5 TP(5)
		C936	0CE1076F638	O	CAPACITOR,AL.ELECTROLYTIC	100M SMS 16V M FM5 TP(5)
		C937	0CE228CF630	O	CAPACITOR,ELECTROLYTIC	2200U SHL 16V M FM5
		C938	0CE1064H638	O	CAPACITOR,ELECTROLYTIC	10M SRA 25V M FM5 TP(5)
		C999	0CH1105F946	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 16V Z Y5V(F) 2012 R/TP
			DIODE			
		BD901	0DD160000DA	O	DIODE	S1WBA60(1A 600V) SHIDENKEN
		D101	0DD187009AC	O	DIODE	KDS187 CHIP KEC TP KEC
		D201	0DS121009AA	O	DIODE,SWITCHING	KDS121 TP KEC UMT 85V 300MA 2A
		D401	0DS121009AA	O	DIODE,SWITCHING	KDS121 TP KEC UMT 85V 300MA 2A
		D502	0DD187009AC	O	DIODE	KDS187 CHIP KEC TP KEC
		D701	0DS121009AA	O	DIODE,SWITCHING	KDS121 TP KEC UMT 85V 300MA 2A
		D901	0DD221009AA	O	DIODE	ERA22-10 KFLB,TP ,R T/P,FUJI
		D902	0DD010009AC	O	DIODE	EU01W(R-FORM) TP SANKEN
		D906	0DR310000AA	O	DIODE,RECTIFIER	RU3YXLF-C1 BK SANKEN D4 100V 2
		D907	0DD010009AC	O	DIODE	EU01W(R-FORM) TP SANKEN
		D908	0DD010009AC	O	DIODE	EU01W(R-FORM) TP SANKEN
		D909	0DRSA00020A	O	DIODE,RECTIFIERS	FMB-G24H LF651 SANKEN BK NON
		D910	0DD010009AC	O	DIODE	EU01W(R-FORM) TP SANKEN
		D911	0DR104009AB	O	DIODE,RECTIFIER	RL104 R. TP GULF SEMICONDUCTOR
		D920	0DD010009AC	O	DIODE	EU01W(R-FORM) TP SANKEN
			FUSE,HOLDER,DIGITRON			
		F901	585-011T	O	FUSE,SLOW BLOW	1600MA 250 V 5.2X20 CY/GL SEMK
		F905	0IRH100000B	O	IC,ROHM	ICP-N10 T104 TP IC DETACT
		FH01	586-008B	O	HOLDER	FUSE CLIP TP SINSUNG
		FH02	586-008B	O	HOLDER	FUSE CLIP TP SINSUNG
		FLD801	6302S-V007A	O	DIGITRON	16BT-72GNK FUTABA CDR-600

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
			IC,SENSOR			
		IC101	0ISO258100A	O	IC,SONY	CXA2581N 30PIN TP RFIC
		IC101	0ITR613002E	O	IC,TOREX SEMICONDUCTOR	XC61CN3002PR 3P SOT-89 TP VOL
		IC101	657-063A	O	SENSOR	LTV-817B,PHOTO COUPLER(LITEON)
		IC102	0IJR456500A	O	IC, JRC(JAPAN RADIO CORP.)	NJM4565M-A,OP-AMP,JRC
		IC102	0IRH033000A	O	IC,ROHM	BA033SFP P/MOLD-5 TP REGULATOR
		IC103	0IJR456500A	O	IC, JRC(JAPAN RADIO CORP.)	NJM4565M-A,OP-AMP,JRC
		IC103	0IRH393900A	O	IC,ROHM	BA3939FP-E2
		IC104	0IJR553200A	O	IC,JRC(JAPAN RADIO CORP.)	NJM5532 OP AMP JRC
		IC105	0IAK439320A	O	IC,AKM	AK4393VF-E2 28SOP TP DAC 1K RE
		IC106	0IPH740400F	O	IC,PHILIPS	74HCU04D SOT108-1 TP INVERTER
		IC107	0IPH740400F	O	IC,PHILIPS	74HCU04D SOT108-1 TP INVERTER
		IC108	0IRH405300A	O	IC,ROHM	BU4053BCFV 16P,SSOP TP TRIPLE
		IC109	0IRH405300A	O	IC,ROHM	BU4053BCFV 16P,SSOP TP TRIPLE
		IC110	0IRH405300A	O	IC,ROHM	BU4053BCFV 16P,SSOP TP TRIPLE
		IC112	0IAK535120A	O	IC,AKM	AK5351VF-E2 24SOP TP ADC 1K RE
		IC201	0IOA979000A	O	IC,OAK TECHNOLOGY	OTI-9790 CD-R/RW CONTROLLER TP
		IC201	GISO301110A	O	IC,SONY	CXD3011R-1 144,LQFP BK DSP
		IC203	0IGS711816J	O	IC,LG SEMICONDUCTOR	GM71V18163CT-6 44TSOP BK 16MDR
		IC301	0IMI567880A	O	IC,MITSUBISHI	M56788FP 42 SSOP TP DRIVE
		IC301	0IVC000100A	O	IC,VERSACHIPS	VC00S01 80 QFP BK FPGA ASIC AC
		IC302	0IWI242573A	O	IC,WINBOND	W24257AS-35 (TAPE&REEL) 1K/TP
		IC302	DITO453000C	O	IC,TOSHIBA	TC4W53FU SSOP 8PIN
		IC303	0ITO704000A	O	IC,TOSHIBA	TC7S04F INVERTER(GE85L)
		IC304	0IFA405300A	O	IC,FAIRCHILD	CD4053BCMX 16PIN,SOP TP MULTIP
		IC306	0ICB842000B	O	IC,CRYSTAL SEMICONDUCTOR	CS8420-CS(REV D) 28L SOIC TP D
		IC307	0IFA405300A	O	IC,FAIRCHILD	CD4053BCMX 16PIN,SOP TP MULTIP
		IC310	0ITO704000A	O	IC,TOSHIBA	TC7S04F INVERTER(GE85L)
		IC401	0IAK439320A	O	IC,AKM	AK4393VF-E2 28SOP TP DAC 1K RE
		IC401	0ISA119950A	O	IC,SANYO	LB11995H-TLM 28P HSOP TP MOTOR
		IC401	GISO255100A	O	IC,SONY	CXA2551R 100PIN LQFP TP RF AMP
		IC402	0IJR210000A	O	IC,JRC	NJM2100M-TE1-DMP,OP AMP,JRC
		IC403	0IJR210000A	O	IC,JRC	NJM2100M-TE1-DMP,OP AMP,JRC
		IC403	0IJR340300A	O	IC,JRC	NJM3403AV-TE1 OP AMP
		IC404	0IJR290300D	O	IC,JRC	NJM2903V-TE1 8P SSOP TP COMPAR
		IC404	0IJR553200A	O	IC,JRC(JAPAN RADIO CORP.)	NJM5532 OP AMP JRC
		IC405	0IRH405200C	O	IC,ROHM	BU4052BCFV SSOP-B16 TP DUAL 4C
		IC406	0IJR341400C	O	IC,JRC	NJM3414AM-TE1,3K/REEL. JRC
		IC406	0IJR456000B	O	IC,JRC	NJM4560M-TE1-DMP,OP AMP.JRC
		IC407	0INS766500A	O	IC,NATIONAL SEMICONDUCTOR	NC7SZ66M5X SOT23 TP SINGLE BIL
		IC409	0IMI623520A	O	IC,MITSUBISHI	M62352GP 20P SSOP TP 12CH D/A
		IC411	0IJR340400B	O	IC,JRC	NJM3404AV SIP-8 TP SINGLE-SUPP
		IC412	0ITO708000D	O	IC,TOSHIBA	TC7W08FUDUAL 2 INPUT AND GATE
		IC413	0IET224500A	O	IC,ELANTEC	EL2245CS SO8 TP ALPC 2CH OP AM
		IC414	0INS766500A	O	IC,NATIONAL SEMICONDUCTOR	NC7SZ66M5X SOT23 TP SINGLE BIL
		IC501	0IHI643062B	O	IC,HITACHI	HD64F3062AFBL FP-100B TP MICOM
		IC501	0IRH598300A	O	IC,ROHM	BA5983FM HSOP28 TP DRIVE METAL
		IC502	0IRH592500A	O	IC,ROHM	BA5925FV SSOP-B28 TP SLED
		IC502	0ITR613002E	O	IC,TOREX SEMICONDUCTOR	XC61CN3002PR 3P SOT-89 TP VOL
		IC508	0IRH405300A	O	IC,ROHM	BU4053BCFV 16P,SSOP TP TRIPLE
		IC509	0IJR340400B	O	IC,JRC	NJM3404AV SIP-8 TP SINGLE-SUPP
		IC510	0IRH666400A	O	IC,ROHM	BA6664FM HSOP28 TP NOTOR DRIVE
		IC511	0IJR780800C	O	IC,JRC	NJM7808DLA 3 TP REGULATOR
		IC512	0IJR780800C	O	IC,JRC	NJM7808DLA 3 TP REGULATOR
		IC514	0IJR341400C	O	IC,JRC	NJM3414AM-TE1,3K/REEL. JRC
		IC601	0ICP010000A	O	IC,CROSS SNT	CST0100C 44QFP BK ASIC
		IC601	0IRH393900A	O	IC,ROHM	BA3939FP-E2
		IC602	0IFA405300A	O	IC,FAIRCHILD	CD4053BCMX 16PIN,SOP TP MULTIP
		IC701	0IHI643062B	O	IC,HITACHI	HD64F3062AFBL FP-100B TP MICOM
		IC702	0IFA938680A	O	IC,FAIRCHILD	FM93C86AM8X 8P SOP TP EEPROM 1
		IC801	0IMA125110A	O	IC,MATSUSHITA	MN12511 SOP024 TP FLD DRIVE
		IC802	0IMA125110A	O	IC,MATSUSHITA	MN12511 SOP024 TP FLD DRIVE
		IC901	0ISK615300A	O	IC,SANKEN	STR-G6153T 5PIN FM CUT BK PWM
		IC902	657-063A	O	SENSOR	LTV-817B,PHOTO COUPLER(LITEON)
		IC904	0ISS431000A	O	IC,SAMSUNG ELECTRONICS	KA431AZ (LM431AZ)

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
		IC905	0ISS781200E	O	IC,SAMSUNG SEMICONDUCTOR	KA78R12 TO-220 LD 1A REGL
		IC906	0ISS791200A	O	IC,SAMSUNG SEMICONDUCTOR	KA7912 ST REGULATOR IC
		IC907	0IKE781200B	O	IC,KEC	KIA7812PI 12V 1A,KEC
		RMC801	0IRH693840A	O	IC,ROHM	RPM6938-V4 3P BK REMOCON MODUL
			JACK,COIL,FILTER			
		JK101	6612S-C008A	O	JACK,RCA	PJ6031 PARK ELEC 12YEON ACDR
		JK102	6612S-A005A	O	JACK,HEADPHONE	LGA6502-0150 SMK 2YEON .
		JK103	6620S-L001A	O	SOCKET (CIRC),FIBER OPTIC	GP1F32T SHARP OPTICAL "H"
		JK105	6612R-L002A	O	JACK,FIBER OPTIC	TORX178 TOSHIBA . .
		JK801	6612S-C004A	O	JACK,RCA	WA6013-35-40 PARK ELEC ORANGE
		JK802	572-359J	O	JACK 6.4	SOQ4694-01-4101 K-HOSIDEN H=6.
		L103	6140H-A001A	O	FILTER(CIRC),EMI	BEAD C,HH-1H4532-121JT.CERATEH
		L103	6200S-JC01A	O	FILTER(CIRC),EMI	HB-1M2012-121JT CERATECH SMD T
		L104	6200S-JC01A	O	FILTER(CIRC),EMI	HB-1M2012-121JT CERATECH SMD T
		BC901	636-004C	O	COIL	BEAD CORE BFS3550R2FD8,R T/P
		L202	6140H-B003G	O	COIL	NLC322522T-100K 10MH TDK
		L203	6140H-A001A	O	FILTER(CIRC),EMI	BEAD C,HH-1H4532-121JT.CERATEH
		L301	6140H-A001A	O	FILTER(CIRC),EMI	BEAD C,HH-1H4532-121JT.CERATEH
		L302	6140H-B003G	O	COIL	NLC322522T-100K 10MH TDK
		L306	6140H-B003G	O	COIL	NLC322522T-100K 10MH TDK
		L308	6140H-B003G	O	COIL	NLC322522T-100K 10MH TDK
		L401	6140H-B003G	O	COIL	NLC322522T-100K 10MH TDK
		L402	6140H-B003G	O	COIL	NLC322522T-100K 10MH TDK
		L403	6140H-B003G	O	COIL	NLC322522T-100K 10MH TDK
		L501	6140H-B003G	O	COIL	NLC322522T-100K 10MH TDK
		L701	6140H-B003G	O	COIL	NLC322522T-100K 10MH TDK
		L901	616-145M	O	FILTER(CIRC)	V-04350 LS FUTAI BULK =616-145
		L903	633-088D	O	COIL,CHOKE	CHOCK ,20UH,LEAD CUT
		L904	633-088D	O	COIL,CHOKE	CHOCK ,20UH,LEAD CUT
		L905	633-088G	O	COIL,CHOKE	CHOCK(22MH) TP 5MM
		L908	633-088G	O	COIL,CHOKE	CHOCK(22MH) TP 5MM
		L909	633-088G	O	COIL,CHOKE	CHOCK(22MH) TP 5MM
		L910	633-088G	O	COIL,CHOKE	CHOCK(22MH) TP 5MM
		L911	633-088G	O	COIL,CHOKE	CHOCK(22MH) TP 5MM
			LED,RELAY			
		LD801	0DL341829AA	O	LED	SM3418F2T TP AUK GREEN .
		LD802	0DL341829AA	O	LED	SM3418F2T TP AUK GREEN .
		LD803	0DL341829AA	O	LED	SM3418F2T TP AUK GREEN .
		LD804	0DL341829AA	O	LED	SM3418F2T TP AUK GREEN .
		LD805	0DL341829AA	O	LED	SM3418F2T TP AUK GREEN .
		LD806	0DL341829AA	O	LED	SM3418F2T TP AUK GREEN .
		LD807	0DL341829AA	O	LED	SM3418F2T TP AUK GREEN .
		LD808	0DL341829AA	O	LED	SM3418F2T TP AUK GREEN .
		LD809	0DL341829AA	O	LED	SM3418F2T TP AUK GREEN .
		LD810	0DL341829AA	O	LED	SM3418F2T TP AUK GREEN .
		LD811	0DL341829AA	O	LED	SM3418F2T TP AUK GREEN .
		LD812	0DL341829AA	O	LED	SM3418F2T TP AUK GREEN .
		LD813	0DL341829AA	O	LED	SM3418F2T TP AUK GREEN .
		LD814	0DL341829AA	O	LED	SM3418F2T TP AUK GREEN .
		LD815	0DL341829AA	O	LED	SM3418F2T TP AUK GREEN .
		LED801	0DL325319AA	O	LED	SPR325MVWT31 TP ROHM GREEN/RED
		LY402	6920S-0001A	O	RELAY	UD2H-1U-5VDC YUYU 5V 40MA 5V 4
			CONNECTOR			
		PN105	6630R3S006A	O	CONNECTOR (CIRC)	GT200 LG CABLE 6PIN 2.0MM STRA
		PN105	6630S-FB07P	O	CONNECTOR (CIRC),FFC/FPC	00-6232-016-008-800 ELCO KOREA
		PN201	561-644J	O	CONNECTOR	52147-1010 K-MOLEX 10PIN 2.0MM
		PN201	6630R-FB02Q	O	CONNECTOR (CIRC),FFC/FPC	04-6232-117-008-800 ELCO 17PIN
		PN201	6630R3S006A	O	CONNECTOR (CIRC)	GT200 LG CABLE 6PIN 2.0MM STRA
		PN301	6630R-FB02D	O	CONNECTOR (CIRC),FFC/FPC	04-6232-104-008-800 ELCO 4PIN
		PN302	6630R-FB06F	O	CONNECTOR (CIRC),FFC/FPC	04-6232-106-102-800 ELCO 6PIN
		PN401	561-711F	O	CONNECTOR	*WAFER,G/S GIL-S-06P-S2T2-EF
		PN401	6630R-FB02M	O	CONNECTOR (CIRC),FFC/FPC	04-6232-113-008-800 ELCO 13PIN
		PN501	561-715F	O	CONNECTOR	GIL-G-06P-S3T2-E LG CABLE 6PIN
		PN601	6630R3S006E	O	CONNECTOR (CIRC)	GT200 LG CABLE 9PIN 2MM STRAIG

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
		PN602	6630R3S006D	O	CONNECTOR (CIRC)	GT200 LG CABLE 8PIN 2.0MM STRA
		PN603	6630R3S006C	O	CONNECTOR (CIRC)	GT200 LG CABLE 10PIN 2.0MM STR
		PN604	6630R3S006A	O	CONNECTOR (CIRC)	GT200 LG CABLE 6PIN 2.0MM STRA
		PN605	6630HXC126A	O	CONNECTOR (CIRC),FFC/FPC	04-6232-126-008-800 ELCO 26PIN
		PN606	6630R3S006C	O	CONNECTOR (CIRC)	GT200 LG CABLE 10PIN 2.0MM STR
		PN609	6630R-FB02F	O	CONNECTOR (CIRC),FFC/FPC	04-6232-106-008-800 ELCO 6PIN
		PN801	6630S-BC01H	O	CONNECTOR (CIRC)	B TO B P=1.25 8 PIN, 52061-081
		PN802	561-643C	O	CONNECTOR	52151-0310 K-MOLEX 3PIN 2.0MM
		PN8802	6630R-BF03E	O	CONNECTOR (CIRC),BOARD TO BOAR	JE121-05 JAE EUN 5PIN 2.54MM B
		PN904	561-711HAAA	O	CONNECTOR	*WAFER,G/S GIL-S-08P-S2T2-EF
		PW901	561-292B	O	CONNECTOR	GP390 LGC 3P 3.96 STRAIGHT SN
			TRANSISTOR			
		Q101	0TR103709BB	O	TRANSISTOR	2SA1037K-Q CHIP ROHM-J
		Q102	0TR144009AH	O	TRANSISTOR	DTC144EK CHIP ROHM-J
		Q104	0TR144009AI	O	TRANSISTOR	DTA144EK CHIP ROHM-J
		Q105	0TR144009AH	O	TRANSISTOR	DTC144EK CHIP ROHM-J
		Q201	0TR103009AF	O	TRANSISTOR	KRA103M-TP (KRA2203) KEC
		Q202	0TR319809AC	O	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC
		Q203	0TR319809AC	O	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC
		Q204	0TR130209AA	O	TRANSISTOR	KTD1302 MUTING TP KEC TO92
		Q205	0TR103009AF	O	TRANSISTOR	KRA103M-TP (KRA2203) KEC
		Q206	0TR319809AC	O	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC
		Q207	0TR130209AA	O	TRANSISTOR	KTD1302 MUTING TP KEC TO92
		Q208	0TR130209AA	O	TRANSISTOR	KTD1302 MUTING TP KEC TO92
		Q401	0TR130409BA	O	TRANSISTOR	KTD1304S TP KEC SOT-23 MUTING
		Q401	0TR144009AH	O	TRANSISTOR	DTC144EK CHIP ROHM-J
		Q401	0TR319809AC	O	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC
		Q402	0TR144009AH	O	TRANSISTOR	DTC144EK CHIP ROHM-J
		Q402	0TR319809AC	O	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC
		Q403	0TR130209AA	O	TRANSISTOR	KTD1302 MUTING TP KEC TO92
		Q403	0TR130409BA	O	TRANSISTOR	KTD1304S TP KEC SOT-23 MUTING
		Q403	0TR144009AH	O	TRANSISTOR	DTC144EK CHIP ROHM-J
		Q404	0TR130209AA	O	TRANSISTOR	KTD1302 MUTING TP KEC TO92
		Q404	0TR144009AH	O	TRANSISTOR	DTC144EK CHIP ROHM-J
		Q405	0TR103009AF	O	TRANSISTOR	KRA103M-TP (KRA2203) KEC
		Q405	0TR144009AH	O	TRANSISTOR	DTC144EK CHIP ROHM-J
		Q410	0TR319809AC	O	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC
		Q411	0TR319809AC	O	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC
		Q801	0TR102009AE	O	TRANSISTOR	KRA102M (KRA2202) TP KEC TO
		Q901	0TR319809AC	O	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC
		Q902	0TR115100AA	O	TRANSISTOR	KSB1151-Y BK SAMSUNG TO-126
		Q904	0TR103009AF	O	TRANSISTOR	KRA103M-TP (KRA2203) KEC
		Q907	0TR115100AA	O	TRANSISTOR	KSB1151-Y BK SAMSUNG TO-126
		Q908	0TR319809AC	O	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC
		Q910	0TR130209AA	O	TRANSISTOR	KTD1302 MUTING TP KEC TO92
		Q911	0TR130209AA	O	TRANSISTOR	KTD1302 MUTING TP KEC TO92
			RESISTER			
		R101	0RH0152C622	O	RESISTOR,CHIP	15 1/16W 5 D.R/TP
		R101	0RH0472D622	O	RESISTOR,CHIP	47 1/10W 5 D.R/TP
		R101	0RH2702C622	O	RESISTOR,CHIP	27K 1/16W 5 D.R/TP
		R102	0RH0152C622	O	RESISTOR,CHIP	15 1/16W 5 D.R/TP
		R102	0RH0472D622	O	RESISTOR,CHIP	47 1/10W 5 D.R/TP
		R102	0RH8202C622	O	RESISTOR,CHIP	82K 1/16W 5 D.R/TP
		R103	0RH0222C622	O	RESISTOR,CHIP	22 1/16W 5 D.R/TP
		R103	0RH0472D622	O	RESISTOR,CHIP	47 1/10W 5 D.R/TP
		R103	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R104	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R104	0RH1502C622	O	RESISTOR,CHIP	15K 1/16W 5 D.R/TP
		R104	0RH4700D622	O	RESISTOR CHIP	470 1/10W 5 D.R/TP
		R105	0RH1502C622	O	RESISTOR,CHIP	15K 1/16W 5 D.R/TP
		R105	0RH3300D622	O	RESISTOR,CHIP	330 1/10W 5 D.R/TP
		R106	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R106	0RH3300D622	O	RESISTOR,CHIP	330 1/10W 5 D.R/TP
		R107	0RH1203C622	O	RESISTOR,CHIP	120K 1/16W 5 D.R/TP
		R107	0RH3300D622	O	RESISTOR,CHIP	330 1/10W 5 D.R/TP

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
		R108	0RH1803C622	O	RESISTOR,CHIP	180K 1/16W 5 D.R/TP
		R108	0RH3300D622	O	RESISTOR,CHIP	330 1/10W 5 D.R/TP
		R109	0RH0472D622	O	RESISTOR,CHIP	47 1/10W 5 D.R/TP
		R110	0RH4702D622	O	RESISTOR,CHIP	47K 1/10W 5 D.R/TP
		R111	0RH3300D622	O	RESISTOR,CHIP	330 1/10W 5 D.R/TP
		R112	0RH4702D622	O	RESISTOR,CHIP	47K 1/10W 5 D.R/TP
		R113	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R113	0RH4702D622	O	RESISTOR,CHIP	47K 1/10W 5 D.R/TP
		R114	0RH4702D622	O	RESISTOR,CHIP	47K 1/10W 5 D.R/TP
		R115	0RH4702D622	O	RESISTOR,CHIP	47K 1/10W 5 D.R/TP
		R116	0RH1002D622	O	RESISTOR,CHIP	10K 1/10W 5 D.R/TP
		R117	0RH0000D622	O	RESISTOR,CHIP	0 1/10W 5 D.R/TP
		R118	0RH1002D622	O	RESISTOR,CHIP	10K 1/10W 5 D.R/TP
		R119	0RH1002D622	O	RESISTOR,CHIP	10K 1/10W 5 D.R/TP
		R120	0RH4701D622	O	RESISTOR,CHIP	4.7K 1/10W 5 D.R/TP
		R121	0RH4701D622	O	RESISTOR,CHIP	4.7K 1/10W 5 D.R/TP
		R122	0RH3302C622	O	RESISTOR,CHIP	33K 1/16W 5 D.R/TP
		R124	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R124	0RH1002D622	O	RESISTOR,CHIP	10K 1/10W 5 D.R/TP
		R125	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R125	0RH1002D622	O	RESISTOR,CHIP	10K 1/10W 5 D.R/TP
		R126	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R126	0RH3301D622	O	RESISTOR,CHIP	3.3K 1/10W 5 D.R/TP
		R127	0RH1003C622	O	RESISTOR,CHIP	100K 1/16W 5 D.R/TP
		R127	0RH3301D622	O	RESISTOR,CHIP	3.3K 1/10W 5 D.R/TP
		R128	0RH2701D622	O	RESISTOR,CHIP	2.7K 1/10W 5 D.R/TP
		R128	0RH6802C622	O	RESISTOR,CHIP	68K 1/16W 5 D.R/TP
		R129	0RH2701D622	O	RESISTOR,CHIP	2.7K 1/10W 5 D.R/TP
		R130	0RH3901D622	O	RESISTOR,CHIP	3.9K 1/10W 5 D.R/TP
		R131	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R131	0RH3301D622	O	RESISTOR,CHIP	3.3K 1/10W 5 D.R/TP
		R132	0RH2202D622	O	RESISTOR,CHIP	22K 1/10W 5 D.R/TP
		R132	0RH6801C622	O	RESISTOR,CHIP	6.8K 1/16W 5 D.R/TP
		R133	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R133	0RH4701D622	O	RESISTOR,CHIP	4.7K 1/10W 5 D.R/TP
		R134	0RH2202D622	O	RESISTOR,CHIP	22K 1/10W 5 D.R/TP
		R135	0RH0222D622	O	RESISTOR,CHIP	22 1/10W 5 D.R/TP
		R136	0RH0222D622	O	RESISTOR,CHIP	22 1/10W 5 D.R/TP
		R138	0RH3301D622	O	RESISTOR,CHIP	3.3K 1/10W 5 D.R/TP
		R139	0RH2201C622	O	RESISTOR,CHIP	2.2K 1/16W 5 D.R/TP
		R140	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R140	0RH2201C622	O	RESISTOR,CHIP	2.2K 1/16W 5 D.R/TP
		R141	0RH3301D622	O	RESISTOR,CHIP	3.3K 1/10W 5 D.R/TP
		R142	0RH1000D622	O	RESISTOR,CHIP	100 1/10W 5 D.R/TP
		R145	0RH3301D622	O	RESISTOR,CHIP	3.3K 1/10W 5 D.R/TP
		R146	0RH3301D622	O	RESISTOR,CHIP	3.3K 1/10W 5 D.R/TP
		R146	0RH3901C622	O	RESISTOR,CHIP	3.9K 1/16W 5 D.R/TP
		R147	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R147	0RH3301D622	O	RESISTOR,CHIP	3.3K 1/10W 5 D.R/TP
		R148	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R201	0RH1002D622	O	RESISTOR,CHIP	10K 1/10W 5 D.R/TP
		R201	0RH2202C622	O	RESISTOR,CHIP	22K 1/16W 5 D.R/TP
		R202	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R202	0RH3302C622	O	RESISTOR,CHIP	33K 1/16W 5 D.R/TP
		R203	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R203	0RH4701D622	O	RESISTOR,CHIP	4.7K 1/10W 5 D.R/TP
		R204	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R205	0RH3901D622	O	RESISTOR,CHIP	3.9K 1/10W 5 D.R/TP
		R206	0RH1002D622	O	RESISTOR,CHIP	10K 1/10W 5 D.R/TP
		R208	0RH1201D622	O	RESISTOR,CHIP	1.2K 1/10W 5 D.R/TP
		R208	0RH3302C622	O	RESISTOR,CHIP	33K 1/16W 5 D.R/TP
		R209	0RH1201D622	O	RESISTOR,CHIP	1.2K 1/10W 5 D.R/TP
		R210	0RH1501D622	O	RESISTOR CHIP	1.5K 1/10W 5 D.R/TP
		R211	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R212	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
		R213	0RH1501D622	O	RESISTOR CHIP	1.5K 1/10W 5 D.R/TP
		R213	0RH2202C622	O	RESISTOR,CHIP	22K 1/16W 5 D.R/TP
		R214	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R214	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R215	0RH1201D622	O	RESISTOR,CHIP	1.2K 1/10W 5 D.R/TP
		R216	0RH1201D622	O	RESISTOR,CHIP	1.2K 1/10W 5 D.R/TP
		R216	0RH3302C622	O	RESISTOR,CHIP	33K 1/16W 5 D.R/TP
		R217	0RH1501D622	O	RESISTOR CHIP	1.5K 1/10W 5 D.R/TP
		R217	0RH6802C622	O	RESISTOR,CHIP	68K 1/16W 5 D.R/TP
		R218	0RH1502D622	O	RESISTOR,CHIP	15K 1/10W 5 D.R/TP
		R218	0RH1503C622	O	RESISTOR,CHIP	150K 1/16W 5 D.R/TP
		R219	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R219	0RH1501D622	O	RESISTOR CHIP	1.5K 1/10W 5 D.R/TP
		R220	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R221	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R222	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R222	0RH3301C622	O	RESISTOR,CHIP	3.3K 1/16W 5 D.R/TP
		R223	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R223	0RH3301C622	O	RESISTOR,CHIP	3.3K 1/16W 5 D.R/TP
		R224	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R224	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R225	0RH1502D622	O	RESISTOR,CHIP	15K 1/10W 5 D.R/TP
		R226	0RH2701D622	O	RESISTOR,CHIP	2.7K 1/10W 5 D.R/TP
		R227	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R227	0RH3302C622	O	RESISTOR,CHIP	33K 1/16W 5 D.R/TP
		R228	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R228	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R228	0RH1800C622	O	RESISTOR,CHIP	180 1/16W 5 D.R/TP
		R229	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R229	0RH1003C622	O	RESISTOR,CHIP	100K 1/16W 5 D.R/TP
		R229	0RH4701D622	O	RESISTOR,CHIP	4.7K 1/10W 5 D.R/TP
		R230	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R230	0RH2201D622	O	RESISTOR,CHIP	2.2K 1/10W 5 D.R/TP
		R231	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R231	0RH2201D622	O	RESISTOR,CHIP	2.2K 1/10W 5 D.R/TP
		R232	0RH0562C622	O	RESISTOR,CHIP	56 1/16W 5 D.R/TP
		R233	0RH0562C622	O	RESISTOR,CHIP	56 1/16W 5 D.R/TP
		R234	0RH1502C622	O	RESISTOR,CHIP	15K 1/16W 5 D.R/TP
		R234	0RH4700C622	O	RESISTOR,CHIP	470 1/16W 5 D.R/TP
		R235	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R235	0RH5601C622	O	RESISTOR,CHIP	5.6K 1/16W 5 D.R/TP
		R236	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R236	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R236	0RH4700D622	O	RESISTOR CHIP	470 1/10W 5 D.R/TP
		R237	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R237	0RH4700D622	O	RESISTOR CHIP	470 1/10W 5 D.R/TP
		R237	0RH4701C622	O	RESISTOR,CHIP	4.7K 1/16W 5 D.R/TP
		R238	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R238	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R239	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R239	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R239	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R240	0RH3302C622	O	RESISTOR,CHIP	33K 1/16W 5 D.R/TP
		R241	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R241	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R242	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R245	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R249	0RH4701D622	O	RESISTOR,CHIP	4.7K 1/10W 5 D.R/TP
		R250	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R251	0RH0000D622	O	RESISTOR,CHIP	0 1/10W 5 D.R/TP
		R251	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R252	0RH0682D622	O	RESISTOR CHIP	68 1/10W 5 D.R/TP
		R252	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R253	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R254	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R254	0RH2200D622	O	RESISTOR,CHIP	220 1/10W 5 D.R/TP

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
		R255	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R255	0RH3301D622	O	RESISTOR,CHIP	3.3K 1/10W 5 D.R/TP
		R256	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R256	0RH3301D622	O	RESISTOR,CHIP	3.3K 1/10W 5 D.R/TP
		R257	0RH1000D622	O	RESISTOR,CHIP	100 1/10W 5 D.R/TP
		R257	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R258	0RH3301D622	O	RESISTOR,CHIP	3.3K 1/10W 5 D.R/TP
		R259	0RH2200D622	O	RESISTOR,CHIP	220 1/10W 5 D.R/TP
		R259	0RH4702C622	O	RESISTOR,CHIP	47K 1/16W 5 D.R/TP
		R260	0RH1502C622	O	RESISTOR,CHIP	15K 1/16W 5 D.R/TP
		R260	0RH3301D622	O	RESISTOR,CHIP	3.3K 1/10W 5 D.R/TP
		R261	0RH3301D622	O	RESISTOR,CHIP	3.3K 1/10W 5 D.R/TP
		R262	0RH1000D622	O	RESISTOR,CHIP	100 1/10W 5 D.R/TP
		R263	0RH1000D622	O	RESISTOR,CHIP	100 1/10W 5 D.R/TP
		R264	0RH0222D622	O	RESISTOR,CHIP	22 1/10W 5 D.R/TP
		R266	0RH0682D622	O	RESISTOR CHIP	68 1/10W 5 D.R/TP
		R267	0RH0000D622	O	RESISTOR,CHIP	0 1/10W 5 D.R/TP
		R268	0RH3901D622	O	RESISTOR,CHIP	3.9K 1/10W 5 D.R/TP
		R301	0RH5602C622	O	RESISTOR,CHIP	56K 1/16W 5 D.R/TP
		R302	0RH1503C622	O	RESISTOR,CHIP	150K 1/16W 5 D.R/TP
		R303	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R304	0RH2701C622	O	RESISTOR,CHIP	2.7K 1/16W 5 D.R/TP
		R305	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP
		R305	0RH1003C622	O	RESISTOR,CHIP	100K 1/16W 5 D.R/TP
		R306	0RH1003C622	O	RESISTOR,CHIP	100K 1/16W 5 D.R/TP
		R306	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R307	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R307	0RH5602C622	O	RESISTOR,CHIP	56K 1/16W 5 D.R/TP
		R308	0RH1503C622	O	RESISTOR,CHIP	150K 1/16W 5 D.R/TP
		R308	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R310	0RH2202C622	O	RESISTOR,CHIP	22K 1/16W 5 D.R/TP
		R310	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R311	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R312	0RH2202C622	O	RESISTOR,CHIP	22K 1/16W 5 D.R/TP
		R313	0RH2202C622	O	RESISTOR,CHIP	22K 1/16W 5 D.R/TP
		R314	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R315	0RH2702C622	O	RESISTOR,CHIP	27K 1/16W 5 D.R/TP
		R316	0RH2202C622	O	RESISTOR,CHIP	22K 1/16W 5 D.R/TP
		R317	0RH2202C622	O	RESISTOR,CHIP	22K 1/16W 5 D.R/TP
		R318	0RH2201C622	O	RESISTOR,CHIP	2.2K 1/16W 5 D.R/TP
		R319	0RH2201C622	O	RESISTOR,CHIP	2.2K 1/16W 5 D.R/TP
		R320	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R322	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R323	0RH6800C622	O	RESISTOR,CHIP	680 1/16W 5 D.R/TP
		R327	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R335	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R336	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R337	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R355	0RH4702C622	O	RESISTOR,CHIP	47K 1/16W 5 D.R/TP
		R364	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R365	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R366	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R367	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R368	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R369	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R370	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R371	0RH4701C622	O	RESISTOR,CHIP	4.7K 1/16W 5 D.R/TP
		R373	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R374	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R375	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R376	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R377	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R378	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R380	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R382	0RH6800C622	O	RESISTOR,CHIP	680 1/16W 5 D.R/TP
		R385	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
		R386	0RH1004C622	O	RESISTOR,CHIP	1M 1/16W 5 D.R/TP
		R387	0RH2200D622	O	RESISTOR,CHIP	220 1/10W 5 D.R/TP
		R388	0LCZB00005A	O	INDUCTOR	HB-1M1608-601JT CERATECH 600 O
		R401	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R401	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R402	0RH1002D622	O	RESISTOR,CHIP	10K 1/10W 5 D.R/TP
		R402	0RH4702C622	O	RESISTOR,CHIP	47K 1/16W 5 D.R/TP
		R403	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R403	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R403	0RH1002D622	O	RESISTOR,CHIP	10K 1/10W 5 D.R/TP
		R404	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R404	0RH1002D622	O	RESISTOR,CHIP	10K 1/10W 5 D.R/TP
		R405	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R405	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R405	0RH1201D622	O	RESISTOR,CHIP	1.2K 1/10W 5 D.R/TP
		R406	0RH1201D622	O	RESISTOR,CHIP	1.2K 1/10W 5 D.R/TP
		R406	0RH1500C622	O	RESISTOR,CHIP	150 1/16W 5 D.R/TP
		R406	0RH2702C622	O	RESISTOR,CHIP	27K 1/16W 5 D.R/TP
		R407	0RH1500C622	O	RESISTOR,CHIP	150 1/16W 5 D.R/TP
		R407	0RH1501D622	O	RESISTOR CHIP	1.5K 1/10W 5 D.R/TP
		R407	0RH2702C622	O	RESISTOR,CHIP	27K 1/16W 5 D.R/TP
		R408	0RH0101G622	O	RESISTOR,CHIP	1 OHM 1 / 4 W 3216 5% D R/TP
		R408	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R409	0RH0101G622	O	RESISTOR,CHIP	1 OHM 1 / 4 W 3216 5% D R/TP
		R409	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R410	0RH0101G622	O	RESISTOR,CHIP	1 OHM 1 / 4 W 3216 5% D R/TP
		R410	0RH6802C622	O	RESISTOR,CHIP	68K 1/16W 5 D.R/TP
		R411	0RH3301C622	O	RESISTOR,CHIP	3.3K 1/16W 5 D.R/TP
		R411	0RH6802C622	O	RESISTOR,CHIP	68K 1/16W 5 D.R/TP
		R412	0RH3301C622	O	RESISTOR,CHIP	3.3K 1/16W 5 D.R/TP
		R413	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R413	0RH1004C622	O	RESISTOR,CHIP	1M 1/16W 5 D.R/TP
		R413	0RH3301C622	O	RESISTOR,CHIP	3.3K 1/16W 5 D.R/TP
		R414	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R414	0RH1501D622	O	RESISTOR CHIP	1.5K 1/10W 5 D.R/TP
		R414	0RH3301C622	O	RESISTOR,CHIP	3.3K 1/16W 5 D.R/TP
		R415	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R415	0RH1201D622	O	RESISTOR,CHIP	1.2K 1/10W 5 D.R/TP
		R415	0RH4702C622	O	RESISTOR,CHIP	47K 1/16W 5 D.R/TP
		R416	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R416	0RH1201D622	O	RESISTOR,CHIP	1.2K 1/10W 5 D.R/TP
		R416	0RH4702C622	O	RESISTOR,CHIP	47K 1/16W 5 D.R/TP
		R417	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R417	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R417	0RH4700C622	O	RESISTOR,CHIP	470 1/16W 5 D.R/TP
		R418	0RH1502C622	O	RESISTOR,CHIP	15K 1/16W 5 D.R/TP
		R418	0RH2202C622	O	RESISTOR,CHIP	22K 1/16W 5 D.R/TP
		R419	0RH1501D622	O	RESISTOR CHIP	1.5K 1/10W 5 D.R/TP
		R419	0RH3902C622	O	RESISTOR,CHIP	39K 1/16W J D.R/TP
		R419	0RH5601C622	O	RESISTOR,CHIP	5.6K 1/16W 5 D.R/TP
		R420	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R420	0RH1501D622	O	RESISTOR CHIP	1.5K 1/10W 5 D.R/TP
		R421	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R421	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R422	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R422	0RH2702C622	O	RESISTOR,CHIP	27K 1/16W 5 D.R/TP
		R422	0RH3301C622	O	RESISTOR,CHIP	3.3K 1/16W 5 D.R/TP
		R423	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R423	0RH3302C622	O	RESISTOR,CHIP	33K 1/16W 5 D.R/TP
		R423	0RH4700D622	O	RESISTOR CHIP	470 1/10W 5 D.R/TP
		R424	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R424	0RH1502C622	O	RESISTOR,CHIP	15K 1/16W 5 D.R/TP
		R425	0RH1001D622	O	RESISTOR,CHIP	1.0K 1/10W 5 D.R/TP
		R425	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R425	0RH3301C622	O	RESISTOR,CHIP	3.3K 1/16W 5 D.R/TP

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
		R426	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R426	0RH3302C622	O	RESISTOR,CHIP	33K 1/16W 5 D.R/TP
		R427	0RH2201C622	O	RESISTOR,CHIP	2.2K 1/16W 5 D.R/TP
		R427	0RH2202D622	O	RESISTOR,CHIP	22K 1/10W 5 D.R/TP
		R427	0RH4702C622	O	RESISTOR,CHIP	47K 1/16W 5 D.R/TP
		R428	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R428	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R428	0RH2202D622	O	RESISTOR,CHIP	22K 1/10W 5 D.R/TP
		R429	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R429	0RH2201C622	O	RESISTOR,CHIP	2.2K 1/16W 5 D.R/TP
		R429	0RH4700D622	O	RESISTOR CHIP	470 1/10W 5 D.R/TP
		R430	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R430	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R430	0RH4700D622	O	RESISTOR CHIP	470 1/10W 5 D.R/TP
		R431	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R431	0RH1802D622	O	RESISTOR CHIP	18K 1/10W 5 D.R/TP
		R431	0RH4702C622	O	RESISTOR,CHIP	47K 1/16W 5 D.R/TP
		R432	0RH3301D622	O	RESISTOR,CHIP	3.3K 1/10W 5 D.R/TP
		R432	0RH4702C622	O	RESISTOR,CHIP	47K 1/16W 5 D.R/TP
		R433	0RH1802D622	O	RESISTOR CHIP	18K 1/10W 5 D.R/TP
		R433	0RH2201C622	O	RESISTOR,CHIP	2.2K 1/16W 5 D.R/TP
		R433	0RH4702C622	O	RESISTOR,CHIP	47K 1/16W 5 D.R/TP
		R434	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R434	0RH1003C622	O	RESISTOR,CHIP	100K 1/16W 5 D.R/TP
		R434	0RH3301D622	O	RESISTOR,CHIP	3.3K 1/10W 5 D.R/TP
		R435	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R435	0RH6802C622	O	RESISTOR,CHIP	68K 1/16W 5 D.R/TP
		R436	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R436	0RH2201C622	O	RESISTOR,CHIP	2.2K 1/16W 5 D.R/TP
		R437	0RH3301C622	O	RESISTOR,CHIP	3.3K 1/16W 5 D.R/TP
		R437	0RH3302C622	O	RESISTOR,CHIP	33K 1/16W 5 D.R/TP
		R438	0RH2202C622	O	RESISTOR,CHIP	22K 1/16W 5 D.R/TP
		R441	0RH3303C622	O	RESISTOR,CHIP	330K 1/16W 5 D.R/TP
		R442	0RH4700C622	O	RESISTOR,CHIP	470 1/16W 5 D.R/TP
		R445	0RH3301C622	O	RESISTOR,CHIP	3.3K 1/16W 5 D.R/TP
		R446	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R448	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R449	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R451	0RH1002D622	O	RESISTOR,CHIP	10K 1/10W 5 D.R/TP
		R451	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R452	0RH1201C622	O	RESISTOR,CHIP	1.2K 1/16W 5 D.R/TP
		R453	0RH3301C622	O	RESISTOR,CHIP	3.3K 1/16W 5 D.R/TP
		R454	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R455	0RH4700C622	O	RESISTOR,CHIP	470 1/16W 5 D.R/TP
		R456	0RH2201C622	O	RESISTOR,CHIP	2.2K 1/16W 5 D.R/TP
		R457	0RH6800C622	O	RESISTOR,CHIP	680 1/16W 5 D.R/TP
		R458	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R460	0RH4702C622	O	RESISTOR,CHIP	47K 1/16W 5 D.R/TP
		R465	0RH6800C622	O	RESISTOR,CHIP	680 1/16W 5 D.R/TP
		R466	0RH1801C622	O	RESISTOR,CHIP	1.8K 1/16W 5 D.R/TP
		R467	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R469	0RH1801C622	O	RESISTOR,CHIP	1.8K 1/16W 5 D.R/TP
		R471	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R472	0RH2202C622	O	RESISTOR,CHIP	22K 1/16W 5 D.R/TP
		R473	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R474	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R475	0RH5600D622	O	RESISTOR,CHIP	560 1/10W 5 D.R/TP
		R475	0RH8202C622	O	RESISTOR,CHIP	82K 1/16W 5 D.R/TP
		R476	0RH0332D622	O	RESISTOR,CHIP	33 1/10W 5 D.R/TP
		R476	0RH4701C622	O	RESISTOR,CHIP	4.7K 1/16W 5 D.R/TP
		R477	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R477	0RH0332D622	O	RESISTOR,CHIP	33 1/10W 5 D.R/TP
		R478	0RH5600D622	O	RESISTOR,CHIP	560 1/10W 5 D.R/TP
		R481	0RH6800C622	O	RESISTOR,CHIP	680 1/16W 5 D.R/TP
		R483	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R487	0RH2202C622	O	RESISTOR,CHIP	22K 1/16W 5 D.R/TP

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
		R488	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R489	0RH1004C622	O	RESISTOR,CHIP	1M 1/16W 5 D.R/TP
		R490	0RH4701C622	O	RESISTOR,CHIP	4.7K 1/16W 5 D.R/TP
		R492	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R493	0RH6800C622	O	RESISTOR,CHIP	680 1/16W 5 D.R/TP
		R494	0RH6800C622	O	RESISTOR,CHIP	680 1/16W 5 D.R/TP
		R495	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R496	0RH6800C622	O	RESISTOR,CHIP	680 1/16W 5 D.R/TP
		R497	0RH6800C622	O	RESISTOR,CHIP	680 1/16W 5 D.R/TP
		R501	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R502	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R503	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R503	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R504	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R505	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R506	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R507	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R508	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R508	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R509	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R510	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R512	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R513	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R514	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R515	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R516	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R516	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R517	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R517	0RH2201C622	O	RESISTOR,CHIP	2.2K 1/16W 5 D.R/TP
		R518	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R518	0RH8202C622	O	RESISTOR,CHIP	82K 1/16W 5 D.R/TP
		R519	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R519	0RH6801C622	O	RESISTOR,CHIP	6.8K 1/16W 5 D.R/TP
		R520	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R520	0RH1003C622	O	RESISTOR,CHIP	100K 1/16W 5 D.R/TP
		R521	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R521	0RH3902C622	O	RESISTOR,CHIP	39K 1/16W J D.R/TP
		R522	0RH3301C622	O	RESISTOR,CHIP	3.3K 1/16W 5 D.R/TP
		R522	0RH3303C622	O	RESISTOR,CHIP	330K 1/16W 5 D.R/TP
		R523	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R523	0RH1003C622	O	RESISTOR,CHIP	100K 1/16W 5 D.R/TP
		R524	0RH3902C622	O	RESISTOR,CHIP	39K 1/16W J D.R/TP
		R524	0RH4700C622	O	RESISTOR,CHIP	470 1/16W 5 D.R/TP
		R525	0RH2702C622	O	RESISTOR,CHIP	27K 1/16W 5 D.R/TP
		R525	0RH4703C622	O	RESISTOR,CHIP	470K 1/16W 5 D.R/TP
		R526	0RH8202C622	O	RESISTOR,CHIP	82K 1/16W 5 D.R/TP
		R527	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R528	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R531	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R533	0RH3301C622	O	RESISTOR,CHIP	3.3K 1/16W 5 D.R/TP
		R534	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R535	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R536	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R537	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R538	0RH2202C622	O	RESISTOR,CHIP	22K 1/16W 5 D.R/TP
		R539	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R540	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R541	0RH4700C622	O	RESISTOR,CHIP	470 1/16W 5 D.R/TP
		R542	0RH4700C622	O	RESISTOR,CHIP	470 1/16W 5 D.R/TP
		R543	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R544	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R545	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R546	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R547	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R548	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R549	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
		R550	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R552	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R553	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R554	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R554	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R555	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R556	0RH4701C622	O	RESISTOR,CHIP	4.7K 1/16W 5 D.R/TP
		R556	0RH6802C622	O	RESISTOR,CHIP	68K 1/16W 5 D.R/TP
		R557	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R557	0RH2703C622	O	RESISTOR,CHIP	270K 1/16W 5 D.R/TP
		R558	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R558	0RH1003C622	O	RESISTOR,CHIP	100K 1/16W 5 D.R/TP
		R560	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R561	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R563	0RH0181D622	O	RESISTOR,CHIP	1.8 1/10W 5 TA
		R563	0RH1003C622	O	RESISTOR,CHIP	100K 1/16W 5 D.R/TP
		R564	0RH0181D622	O	RESISTOR,CHIP	1.8 1/10W 5 TA
		R564	0RH1003C622	O	RESISTOR,CHIP	100K 1/16W 5 D.R/TP
		R565	0RH0181D622	O	RESISTOR,CHIP	1.8 1/10W 5 TA
		R565	0RH1500C622	O	RESISTOR,CHIP	150 1/16W 5 D.R/TP
		R566	0RH4703C622	O	RESISTOR,CHIP	470K 1/16W 5 D.R/TP
		R567	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R567	0RH1803C622	O	RESISTOR,CHIP	180K 1/16W 5 D.R/TP
		R568	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R568	0RH1003C622	O	RESISTOR,CHIP	100K 1/16W 5 D.R/TP
		R569	0RH4702C622	O	RESISTOR,CHIP	47K 1/16W 5 D.R/TP
		R570	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R572	0RH2202C622	O	RESISTOR,CHIP	22K 1/16W 5 D.R/TP
		R573	0RH2702C622	O	RESISTOR,CHIP	27K 1/16W 5 D.R/TP
		R574	0RH0102C622	O	RESISTOR,CHIP	10 1/16W 5 D.R/TP
		R575	0RH2202C622	O	RESISTOR,CHIP	22K 1/16W 5 D.R/TP
		R576	0RH0102C622	O	RESISTOR,CHIP	10 1/16W 5 D.R/TP
		R577	0RH2202C622	O	RESISTOR,CHIP	22K 1/16W 5 D.R/TP
		R578	0RH2702C622	O	RESISTOR,CHIP	27K 1/16W 5 D.R/TP
		R579	0RH2202C622	O	RESISTOR,CHIP	22K 1/16W 5 D.R/TP
		R580	0RH0102C622	O	RESISTOR,CHIP	10 1/16W 5 D.R/TP
		R581	0RH0102C622	O	RESISTOR,CHIP	10 1/16W 5 D.R/TP
		R582	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R583	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R584	0RH6801C622	O	RESISTOR,CHIP	6.8K 1/16W 5 D.R/TP
		R585	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R586	0RH4701C622	O	RESISTOR,CHIP	4.7K 1/16W 5 D.R/TP
		R587	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R590	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R592	0RH4703C622	O	RESISTOR,CHIP	470K 1/16W 5 D.R/TP
		R601	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R601	0RH4701C622	O	RESISTOR,CHIP	4.7K 1/16W 5 D.R/TP
		R602	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R602	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R603	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R603	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R604	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R604	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R605	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R605	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R606	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R606	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R607	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R607	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R608	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R608	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R609	0RH1800C622	O	RESISTOR,CHIP	180 1/16W 5 D.R/TP
		R610	0RH3300C622	O	RESISTOR,CHIP	330 1/16W 5 D.R/TP
		R611	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R612	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R613	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
		R619	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R620	0RH2200C622	O	RESISTOR,CHIP	220 1/16W 5 D.R/TP
		R627	0RH0000C622	O	RESISTOR,CHIP	0 1/16W 5 D.R/TP
		R701	0RH1500C622	O	RESISTOR,CHIP	150 1/16W 5 D.R/TP
		R702	0RH4703C622	O	RESISTOR,CHIP	470K 1/16W 5 D.R/TP
		R703	0RH0472C622	O	RESISTOR,CHIP	47 1/16W 5 D.R/TP
		R704	0RH0472C622	O	RESISTOR,CHIP	47 1/16W 5 D.R/TP
		R705	0RH0472C622	O	RESISTOR,CHIP	47 1/16W 5 D.R/TP
		R706	0RH0472C622	O	RESISTOR,CHIP	47 1/16W 5 D.R/TP
		R707	0RH0472C622	O	RESISTOR,CHIP	47 1/16W 5 D.R/TP
		R708	0RH0472C622	O	RESISTOR,CHIP	47 1/16W 5 D.R/TP
		R709	0RH0472C622	O	RESISTOR,CHIP	47 1/16W 5 D.R/TP
		R710	0RH0472C622	O	RESISTOR,CHIP	47 1/16W 5 D.R/TP
		R711	0RH0472C622	O	RESISTOR,CHIP	47 1/16W 5 D.R/TP
		R712	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R713	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R714	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R715	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R716	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R717	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1KOHM 1 / 16 W 1608 5.00% D
		R718	0RH4701C622	O	RESISTOR,CHIP	4.7K 1/16W 5 D.R/TP
		R719	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R720	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R721	0RH0472C622	O	RESISTOR,CHIP	47 1/16W 5 D.R/TP
		R726	0RH2201C622	O	RESISTOR,CHIP	2.2K 1/16W 5 D.R/TP
		R727	0RH2201C622	O	RESISTOR,CHIP	2.2K 1/16W 5 D.R/TP
		R728	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R729	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R738	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R740	0RH4700C622	O	RESISTOR,CHIP	470 1/16W 5 D.R/TP
		R741	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R742	0RH4700C622	O	RESISTOR,CHIP	470 1/16W 5 D.R/TP
		R743	0RH1002C622	O	RESISTOR,CHIP	10K 1/16W 5 D.R/TP
		R744	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R745	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R746	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R747	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R748	0RH1000C622	O	RESISTOR,CHIP	100 1/16W 5 D.R/TP
		R801	0RD2201F608	O	RESISTOR,FIXED CARBON FILM	2.2K 1/6W 5 TA26
		R802	0RD2201F608	O	RESISTOR,FIXED CARBON FILM	2.2K 1/6W 5 TA26
		R803	0RD3301F608	O	RESISTOR,FIXED CARBON FILM	3.3K 1/6W 5 TA26
		R804	0RD4701F608	O	RESISTOR,FIXED CARBON FILM	4.7K 1/6W 5 TA26
		R805	0RD5601F608	O	RESISTOR,FIXED CARBON FILM	5.6K 1/6W 5 TA26
		R806	0RD8201F608	O	RESISTOR,FIXED CARBON FILM	8.2K 1/6W 5 TA26
		R807	0RD1502F608	O	RESISTOR,FIXED CARBON FILM	15K 1/6W 5 TA26
		R808	0RD2201F608	O	RESISTOR,FIXED CARBON FILM	2.2K 1/6W 5 TA26
		R809	0RD2201F608	O	RESISTOR,FIXED CARBON FILM	2.2K 1/6W 5 TA26
		R810	0RD3301F608	O	RESISTOR,FIXED CARBON FILM	3.3K 1/6W 5 TA26
		R811	0RD4701F608	O	RESISTOR,FIXED CARBON FILM	4.7K 1/6W 5 TA26
		R812	0RD5601F608	O	RESISTOR,FIXED CARBON FILM	5.6K 1/6W 5 TA26
		R813	0RD2201F608	O	RESISTOR,FIXED CARBON FILM	2.2K 1/6W 5 TA26
		R814	0RD2201F608	O	RESISTOR,FIXED CARBON FILM	2.2K 1/6W 5 TA26
		R815	0RD3301F608	O	RESISTOR,FIXED CARBON FILM	3.3K 1/6W 5 TA26
		R816	0RD4701F608	O	RESISTOR,FIXED CARBON FILM	4.7K 1/6W 5 TA26
		R817	0RD5601F608	O	RESISTOR,FIXED CARBON FILM	5.6K 1/6W 5 TA26
		R818	0RD8201F608	O	RESISTOR,FIXED CARBON FILM	8.2K 1/6W 5 TA26
		R819	0RD1502F608	O	RESISTOR,FIXED CARBON FILM	15K 1/6W 5 TA26
		R820	0RD1802F608	O	RESISTOR,FIXED CARBON FILM	18K 1/6W 5 TA26
		R821	0RD1802F608	O	RESISTOR,FIXED CARBON FILM	18K 1/6W 5 TA26
		R822	0RD1802F608	O	RESISTOR,FIXED CARBON FILM	18K 1/6W 5 TA26
		R823	0RD1500F608	O	RESISTOR,FIXED CARBON FILM	150 1/6W 5 TA26
		R824	0RD1500F608	O	RESISTOR,FIXED CARBON FILM	150 1/6W 5 TA26
		R825	0RD0182F608	O	RESISTOR,FIXED CARBON FILM	18 1/6W 5 TA26
		R826	0RD0182F608	O	RESISTOR,FIXED CARBON FILM	18 1/6W 5 TA26
		R827	0RD0182F608	O	RESISTOR,FIXED CARBON FILM	18 1/6W 5 TA26

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
TRANSISTOR,COIL,RESONATOR,CRYSTAL,INDUCTOR						
		T101	6140R-C001C	O	COIL,CHOKE	75D-413 KWANGSUNG 100UH BULK
		T102	6140R-C001C	O	COIL,CHOKE	75D-413 KWANGSUNG 100UH BULK
		T901	642-023Z	O	TRANSFORMER,SMPS	CSE-023Z SUJEONG WIDE EER-2828
		VR801	6110R-RK01A	O	VOLUME,ROTARY	RK09L12B0-500BX2 J-ALPS D=9 H
		VR802	6110R-RK01B	O	VOLUME,ROTARY	RK09L12B0-20KBX2 J-ALPS D=9 H
		W917	0LR0102K035	O	INDUCTOR RADIAL LEAD	10M K 6X6 L5 TP
		X201	6202R-BM01A	O	CRYSTAL,SMD	HC-49/SM5H KONY CHIP 33.8688MH
		X301	6202R-BM01A	O	CRYSTAL,SMD	HC-49/SM5H KONY CHIP 33.8688MH
		X501	6212HA0202A	O	RESONATOR	CSACV20.00MXJ040-TC20 MURATA 2
		X701	6212HA0202A	O	RESONATOR	CSACV20.00MXJ040-TC20 MURATA 2
ZENER DIODE						
		ZD801	0DZ510009EB	O	DIODE,ZENER	MTZ5.1B 0.5W TP ROHM-K
		ZD802	0DZ510009EB	O	DIODE,ZENER	MTZ5.1B 0.5W TP ROHM-K
		ZD901	0DZ510009EC	O	DIODE,ZENER	MTZJ5.1B,0.5W,TP TP ROHM

S	AL	LOCA. NO.	PART NO.(LG)	A	DESCRIPTION	SPECIFICATION
		R828	0RD0182F608	O	RESISTOR,FIXED CARBON FILM	18 1/6W 5 TA26
		R829	0RD0182F608	O	RESISTOR,FIXED CARBON FILM	18 1/6W 5 TA26
		R830	0RD0182F608	O	RESISTOR,FIXED CARBON FILM	18 1/6W 5 TA26
		R831	0RD0332F608	O	RESISTOR,FIXED CARBON FILM	33 1/6W 5 TA26
		R832	0RD0822F608	O	RESISTOR,FIXED CARBON FILM	82 1/6W 5 TA26
		R833	0RD1000F608	O	RESISTOR,FIXED CARBON FILM	100 1/6W 5 TA26
		R900	0RD1504H632	O	RESISTOR,FIXED CARBON FILM	1.5M OHM 1/2 W 5% MF10
		R901	614-007A	O	RESISTOR	2.7/2W CEMENT SMPS V
		R902	0RS1003K619	O	RESISTOR,FIX METAL FILM OXIDE	100K OHM 2 W 5% TR
		R903	0RD0271F608	O	RESISTOR,FIXED CARBON FILM	2.7 1/6W 5 TA26
		R904	0RS5602K619	O	RESISTOR,FIX METAL FILM OXIDE	56KOHM 2 W 5% TR
		R905	0RD8202F608	O	RESISTOR,FIXED CARBON FILM	82K 1/6W 5 TA26
		R911	0RS0350K619	O	RESISTOR,FIX METAL FILM OXIDE	0.35 OHM 2 W 5% TR
		R912	0RD0391F608	O	RESISTOR,FIXED CARBON FILM	3.9 1/6W 5 TA26
		R919	0RD4701F608	O	RESISTOR,FIXED CARBON FILM	4.7K 1/6W 5 TA26
		R920	0RD4702F608	O	RESISTOR,FIXED CARBON FILM	47K 1/6W 5 TA26
		R921	0RD1201F608	O	RESISTOR,FIXED CARBON FILM	1.2K 1/6W 5 TA26
		R922	0RS1200J619	O	RESISTOR,FIX METAL FILM OXIDE	120 1W 5% TR
		R923	0RD4701F608	O	RESISTOR,FIXED CARBON FILM	4.7K 1/6W 5 TA26
		R924	0RD3300F608	O	RESISTOR,FIXED CARBON FILM	330 1/6W 5 TA26
		R925	0RD2201F608	O	RESISTOR,FIXED CARBON FILM	2.2K 1/6W 5 TA26
		R926	0RD1001F608	O	RESISTOR,FIXED CARBON FILM	1.0K 1/6W 5 TA26
		R927	0RN3601E408	O	RESISTOR,FIXED METAL FILM	3.6K OHM 1/8 W 1% TA26
		R928	0RN3301F408	O	RESISTOR,FIX METAL FILM	3.3K 1/6W 1 TA26
		R929	0RD4702F608	O	RESISTOR,FIXED CARBON FILM	47K 1/6W 5 TA26
		R930	0RD4701F608	O	RESISTOR,FIXED CARBON FILM	4.7K 1/6W 5 TA26
		R931	0RS1200J619	O	RESISTOR,FIX METAL FILM OXIDE	120 1W 5% TR
		R933	0RD1201F608	O	RESISTOR,FIXED CARBON FILM	1.2K 1/6W 5 TA26
		R941	0RD1002F608	O	RESISTOR,FIXED CARBON FILM	10K 1/6W 5 TA26
		R942	0RD1002F608	O	RESISTOR,FIXED CARBON FILM	10K 1/6W 5 TA26
		R943	0RD3301F608	O	RESISTOR,FIXED CARBON FILM	3.3K 1/6W 5 TA26
		RA301	0RR2200Q62A	O	RESISTOR,ARRAY	220 OHM 1/16 W 3216 5% R/TP 8T
		RA302	0RR2200Q62A	O	RESISTOR,ARRAY	220 OHM 1/16 W 3216 5% R/TP 8T
		RA303	0RR2200Q62A	O	RESISTOR,ARRAY	220 OHM 1/16 W 3216 5% R/TP 8T
		RA304	0RR2200Q62A	O	RESISTOR,ARRAY	220 OHM 1/16 W 3216 5% R/TP 8T
		RA305	0RR2200Q62A	O	RESISTOR,ARRAY	220 OHM 1/16 W 3216 5% R/TP 8T
		RA306	0RR2200Q62A	O	RESISTOR,ARRAY	220 OHM 1/16 W 3216 5% R/TP 8T
		RA701	0RR2200Q62A	O	RESISTOR,ARRAY	220 OHM 1/16 W 3216 5% R/TP 8T
		RA702	0RR2200Q62A	O	RESISTOR,ARRAY	220 OHM 1/16 W 3216 5% R/TP 8T
			SWITCH			
		SW001	6600HXF102A	O	SWITCH,DETECTOR	MPU20160MLB0 MIC NON DC5V 0.7M
		SW303	6600HXF101A	O	SWITCH,DETECTOR	SPVF21001A ALPS . 5V 1MAV 4.65
		SW801	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW802	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW803	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW804	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW805	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW806	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW807	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW808	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW809	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW810	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW811	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW812	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW813	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW814	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW815	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW816	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW817	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW818	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW819	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW820	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW821	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW822	558T026A	O	SWITCH SPECIAL	EVQ-214 04M MATSUSHITA NON 0V
		SW901	6600R-PV01A	O	SWITCH,PUSH	SDDL1PASL021 POSTEC UL/CSA 250